



U.S. Energy Information  
Administration

# Petroleum Supply Monthly

with data for November 2020

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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
- Exports
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b>	<b>333,721</b>	<b>--</b>	<b>--</b>	<b>167,107</b>	<b>11,011</b>	<b>6,356</b>	<b>423,713</b>	<b>81,770</b>	<b>0</b>	<b>1,138,505</b>
<b>Hydrocarbon Gas Liquids</b>	<b>159,690</b>	<b>-631</b>	<b>9,999</b>	<b>5,559</b>	<b>--</b>	<b>-19,580</b>	<b>19,120</b>	<b>64,059</b>	<b>111,018</b>	<b>267,418</b>
Natural Gas Liquids	159,690	-631	1,420	5,167	--	-17,542	19,120	64,059	100,009	265,331
Ethane	63,447	--	138	--	--	-1,278	--	8,208	56,655	76,879
Propane	51,468	--	8,244	4,116	--	-4,807	--	39,916	28,719	90,276
Normal Butane	14,123	--	-6,140	900	--	-9,285	9,116	10,640	-1,588	49,332
Isobutane	13,071	--	-822	149	--	-1,188	5,785	225	7,576	12,341
Natural Gasoline	17,581	-631	--	2	--	-984	4,219	5,070	8,647	36,503
Refinery Olefins	--	--	8,579	392	--	-2,038	--	--	11,009	2,087
Ethylene	--	--	20	--	--	0	--	--	20	0
Propylene	--	--	8,547	353	--	-98	--	--	8,998	1,269
Normal Butylene	--	--	-13	39	--	-1,954	--	--	1,980	770
Isobutylene	--	--	25	--	--	14	--	--	11	48
<b>Other Liquids</b>	<b>--</b>	<b>33,501</b>	<b>--</b>	<b>31,675</b>	<b>7,214</b>	<b>15,560</b>	<b>44,298</b>	<b>11,067</b>	<b>1,465</b>	<b>325,002</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	33,501	--	1,537	1,336	1,555	32,030	2,789	0	28,606
Hydrogen	--	--	--	--	6,217	--	6,217	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	33,501	--	1,534	-4,890	1,568	25,788	2,789	0	28,593
Fuel Ethanol <sup>5</sup>	--	29,908	--	441	-1,662	1,835	24,136	2,716	0	23,257
Renewable Fuels Except Fuel Ethanol	--	3,593	--	1,093	-3,227	-267	1,652	73	0	5,336
Other Hydrocarbons	--	--	--	3	9	-13	25	--	0	13
Unfinished Oils	--	--	--	15,512	--	-119	7,373	6,784	1,474	80,174
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>	--	0	--	14,626	5,878	14,122	4,888	1,494	0	216,192
Reformulated	--	0	--	5,746	7,975	4,963	8,746	12	0	53,539
Conventional	--	--	--	8,880	-2,096	9,159	-3,858	1,483	0	162,653
Aviation Gasoline Blend. Comp.	--	--	--	--	--	2	7	--	-9	30
<b>Finished Petroleum Products</b>	<b>--</b>	<b>20</b>	<b>505,144</b>	<b>24,143</b>	<b>-1,966</b>	<b>942</b>	<b>--</b>	<b>77,809</b>	<b>448,590</b>	<b>296,608</b>
Finished Motor Gasoline	--	20	266,465	1,853	-4,216	-166	--	24,960	239,328	25,039
Reformulated	--	--	81,013	--	-8,192	0	--	--	72,821	52
Conventional	--	20	185,452	1,853	3,976	-166	--	24,960	166,507	24,987
Finished Aviation Gasoline	--	--	270	27	--	-37	--	--	334	1,080
Kerosene-Type Jet Fuel	--	--	31,851	4,437	--	9	--	2,374	33,905	37,645
Kerosene	--	--	475	--	--	134	--	312	29	2,642
Distillate Fuel Oil <sup>5</sup>	--	--	135,653	9,149	2,249	948	--	29,446	116,658	156,281
15 ppm sulfur and under	--	--	132,080	9,122	2,249	1,054	--	26,413	115,985	144,264
Greater than 15 ppm to 500 ppm sulfur	--	--	1,294	2	--	106	--	1,039	151	3,401
Greater than 500 ppm sulfur	--	--	2,279	25	--	-212	--	1,994	522	8,616
Residual Fuel Oil	--	--	4,599	5,388	--	-59	--	3,829	6,217	31,179
Less than 0.31 percent sulfur	--	--	648	511	--	39	--	NA	NA	3,198
0.31 to 1.00 percent sulfur	--	--	2,117	77	--	-61	--	NA	NA	7,049
Greater than 1.00 percent sulfur	--	--	1,834	4,800	--	-37	--	NA	NA	20,932
Petrochemical Feedstocks	--	--	8,354	411	--	249	--	--	8,516	2,756
Naphtha for Petro. Feed. Use	--	--	5,362	301	--	140	--	--	5,523	1,939
Other Oils for Petro. Feed. Use	--	--	2,992	110	--	109	--	--	2,993	817
Special Naphthas	--	--	1,027	265	--	72	--	--	1,220	1,128
Lubricants	--	--	5,449	1,230	--	432	--	2,928	3,319	9,853
Waxes	--	--	128	144	--	18	--	137	117	544
Petroleum Coke	--	--	21,675	133	--	-818	--	13,336	9,290	7,316
Marketable	--	--	16,054	133	--	-818	--	13,336	3,669	7,316
Catalyst	--	--	5,621	--	--	--	--	--	5,621	--
Asphalt and Road Oil	--	--	8,997	1,103	--	99	--	452	9,549	20,518
Still Gas	--	--	17,838	--	--	--	--	--	17,838	--
Miscellaneous Products	--	--	2,363	3	--	61	--	33	2,272	627
<b>Total</b>	<b>493,411</b>	<b>32,890</b>	<b>515,143</b>	<b>228,484</b>	<b>16,259</b>	<b>3,278</b>	<b>487,131</b>	<b>234,705</b>	<b>561,073</b>	<b>2,027,533</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	Ending Stocks
<b>Crude Oil<sup>4</sup></b>	<b>3,795,489</b>	<b>--</b>	<b>--</b>	<b>1,973,716</b>	<b>122,450</b>	<b>70,601</b>	<b>4,763,405</b>	<b>1,057,649</b>	<b>0</b>	<b>1,138,505</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,732,110</b>	<b>-6,049</b>	<b>189,073</b>	<b>50,980</b>	<b>--</b>	<b>55,683</b>	<b>168,264</b>	<b>696,857</b>	<b>1,045,310</b>	<b>267,418</b>
Natural Gas Liquids	1,732,110	-6,049	102,979	45,956	--	56,562	168,264	696,857	953,313	265,331
Ethane	676,591	--	2,054	--	--	19,480	--	94,854	564,311	76,879
Propane	561,430	--	88,333	35,960	--	10,664	--	413,615	261,444	90,276
Normal Butane	154,132	--	19,232	7,641	--	9,677	57,237	119,914	-5,823	49,332
Isobutane	144,107	--	-6,640	2,292	--	1,136	65,819	1,559	71,245	12,341
Natural Gasoline	195,850	-6,049	--	63	--	15,605	45,208	66,914	62,137	36,503
Refinery Olefins	--	--	86,094	5,024	--	-879	--	--	91,997	2,087
Ethylene	--	--	204	--	--	0	--	--	204	0
Propylene	--	--	87,460	4,295	--	-404	--	--	92,159	1,269
Normal Butylene	--	--	-1,538	729	--	-503	--	--	-306	770
Isobutylene	--	--	-32	--	--	28	--	--	-60	48
<b>Other Liquids</b>	<b>--</b>	<b>340,718</b>	<b>--</b>	<b>359,318</b>	<b>69,662</b>	<b>-20,113</b>	<b>625,284</b>	<b>141,364</b>	<b>23,164</b>	<b>325,002</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	340,740	--	13,338	36,208	787	356,890	32,609	0	28,606
Hydrogen	--	--	--	--	68,877	--	68,877	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	340,740	--	13,262	-32,780	784	287,829	32,609	0	28,593
Fuel Ethanol <sup>5</sup>	--	301,480	--	3,167	-5,449	908	268,996	29,294	0	23,257
Renewable Fuels Except Fuel Ethanol	--	39,260	--	10,095	-27,331	-124	18,833	3,315	0	5,336
Other Hydrocarbons	--	--	--	76	111	3	184	--	0	13
Unfinished Oils	--	--	--	185,979	--	-9,227	83,544	88,325	23,337	80,174
Motor Gasoline Blend.Comp. (MGB) <sup>5</sup>	--	-22	--	160,001	33,454	-11,661	184,665	20,429	0	216,192
Reformulated	--	-5	--	56,902	74,387	673	130,028	583	0	53,539
Conventional	--	-17	--	103,099	-40,933	-12,334	54,637	19,846	0	162,653
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-12	185	--	-173	30
<b>Finished Petroleum Products</b>	<b>--</b>	<b>693</b>	<b>5,677,568</b>	<b>252,157</b>	<b>-3,449</b>	<b>4,758</b>	<b>--</b>	<b>941,258</b>	<b>4,980,953</b>	<b>296,608</b>
Finished Motor Gasoline	--	693	2,925,936	35,769	-28,005	-935	--	237,920	2,697,407	25,039
Reformulated	--	--	895,298	--	-68,556	11	--	--	826,731	52
Conventional	--	693	2,030,638	35,769	40,551	-946	--	237,920	1,870,676	24,987
Finished Aviation Gasoline	--	--	3,380	245	--	-22	--	--	3,647	1,080
Kerosene-Type Jet Fuel	--	--	337,726	50,550	--	-2,808	--	32,067	359,017	37,645
Kerosene	--	--	3,819	343	--	-213	--	1,781	2,594	2,642
Distillate Fuel Oil <sup>5</sup>	--	--	1,591,173	64,846	24,556	16,295	--	401,940	1,262,340	156,281
15 ppm sulfur and under	--	--	1,519,190	63,006	24,556	19,566	--	339,250	1,247,936	144,264
Greater than 15 ppm to 500 ppm sulfur	--	--	34,795	1,419	--	-1,041	--	32,302	4,953	3,401
Greater than 500 ppm sulfur	--	--	37,188	421	--	-2,230	--	30,387	9,452	8,616
Residual Fuel Oil	--	--	65,213	57,661	--	275	--	49,250	73,349	31,179
Less than 0.31 percent sulfur	--	--	10,726	2,528	--	-603	--	NA	NA	3,198
0.31 to 1.00 percent sulfur	--	--	23,262	13,219	--	1,623	--	NA	NA	7,049
Greater than 1.00 percent sulfur	--	--	31,225	41,914	--	-737	--	NA	NA	20,932
Petrochemical Feedstocks	--	--	88,226	6,386	--	-398	--	--	95,010	2,756
Naphtha for Petro. Feed. Use	--	--	56,072	5,240	--	-260	--	--	61,572	1,939
Other Oils for Petro. Feed. Use	--	--	32,154	1,146	--	-138	--	--	33,438	817
Special Naphthas	--	--	10,682	4,446	--	-99	--	--	15,227	1,128
Lubricants	--	--	50,325	12,163	--	-2,833	--	31,966	33,355	9,853
Waxes	--	--	1,220	1,578	--	-182	--	1,464	1,516	544
Petroleum Coke	--	--	258,562	3,138	--	-1,743	--	176,329	87,114	7,316
Marketable	--	--	195,483	3,138	--	-1,743	--	176,329	24,035	7,316
Catalyst	--	--	63,079	--	--	--	--	--	63,079	--
Asphalt and Road Oil	--	--	108,429	15,019	--	-2,537	--	8,100	117,885	20,518
Still Gas	--	--	205,532	--	--	--	--	--	205,532	--
Miscellaneous Products	--	--	27,345	13	--	-42	--	441	26,959	627
<b>Total</b>	<b>5,527,599</b>	<b>335,362</b>	<b>5,866,641</b>	<b>2,636,171</b>	<b>188,663</b>	<b>110,929</b>	<b>5,556,953</b>	<b>2,837,129</b>	<b>6,049,426</b>	<b>2,027,533</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,124</b>	<b>--</b>	<b>--</b>	<b>5,570</b>	<b>367</b>	<b>212</b>	<b>14,124</b>	<b>2,726</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,323</b>	<b>-21</b>	<b>333</b>	<b>185</b>	<b>--</b>	<b>-653</b>	<b>637</b>	<b>2,135</b>	<b>3,701</b>
Natural Gas Liquids .....	5,323	-21	47	172	--	-585	637	2,135	3,334
Ethane .....	2,115	--	5	--	--	-43	--	274	1,889
Propane .....	1,716	--	275	137	--	-160	--	1,331	957
Normal Butane .....	471	--	-205	30	--	-310	304	355	-53
Isobutane .....	436	--	-27	5	--	-40	193	8	253
Natural Gasoline .....	586	-21	--	0	--	-33	141	169	288
Refinery Olefins .....	--	--	286	13	--	-68	--	--	367
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	285	12	--	-3	--	--	300
Normal Butylene .....	--	--	0	1	--	-65	--	--	66
Isobutylene .....	--	--	1	--	--	0	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>1,117</b>	<b>--</b>	<b>1,056</b>	<b>240</b>	<b>519</b>	<b>1,477</b>	<b>369</b>	<b>49</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,117	--	51	45	52	1,068	93	0
Hydrogen .....	--	--	--	--	207	--	207	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	1,117	--	51	-163	52	860	93	0
Fuel Ethanol <sup>5</sup> .....	--	997	--	15	-55	61	805	91	0
Renewable Fuels Except Fuel Ethanol .....	--	120	--	36	-108	-9	55	2	0
Other Hydrocarbons .....	--	--	--	0	0	0	1	--	0
Unfinished Oils .....	--	--	--	517	--	-4	246	226	49
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	488	196	471	163	50	0
Reformulated .....	--	0	--	192	266	165	292	0	0
Conventional .....	--	--	--	296	-70	305	-129	49	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>1</b>	<b>16,838</b>	<b>805</b>	<b>-66</b>	<b>31</b>	<b>--</b>	<b>2,594</b>	<b>14,953</b>
Finished Motor Gasoline .....	--	1	8,882	62	-141	-6	--	832	7,978
Reformulated .....	--	--	2,700	--	-273	0	--	--	2,427
Conventional .....	--	1	6,182	62	133	-6	--	832	5,550
Finished Aviation Gasoline .....	--	--	9	1	--	-1	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,062	148	--	0	--	79	1,130
Kerosene .....	--	--	16	--	--	4	--	10	1
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,522	305	75	32	--	982	3,889
15 ppm sulfur and under .....	--	--	4,403	304	75	35	--	880	3,866
Greater than 15 ppm to 500 ppm sulfur .....	--	--	43	0	--	4	--	35	5
Greater than 500 ppm sulfur .....	--	--	76	1	--	-7	--	66	17
Residual Fuel Oil .....	--	--	153	180	--	-2	--	128	207
Less than 0.31 percent sulfur .....	--	--	22	17	--	1	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	71	3	--	-2	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	61	160	--	-1	--	NA	NA
Petrochemical Feedstocks .....	--	--	278	14	--	8	--	--	284
Naphtha for Petro. Feed. Use .....	--	--	179	10	--	5	--	--	184
Other Oils for Petro. Feed. Use .....	--	--	100	4	--	4	--	--	100
Special Naphthas .....	--	--	34	9	--	2	--	--	41
Lubricants .....	--	--	182	41	--	14	--	98	111
Waxes .....	--	--	4	5	--	1	--	5	4
Petroleum Coke .....	--	--	723	4	--	-27	--	445	310
Marketable .....	--	--	535	4	--	-27	--	445	122
Catalyst .....	--	--	187	--	--	--	--	--	187
Asphalt and Road Oil .....	--	--	300	37	--	3	--	15	318
Still Gas .....	--	--	595	--	--	--	--	--	595
Miscellaneous Products .....	--	--	79	0	--	2	--	1	76
<b>Total</b> .....	<b>16,447</b>	<b>1,096</b>	<b>17,171</b>	<b>7,616</b>	<b>542</b>	<b>109</b>	<b>16,238</b>	<b>7,823</b>	<b>18,702</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>11,330</b>	<b>--</b>	<b>--</b>	<b>5,892</b>	<b>366</b>	<b>211</b>	<b>14,219</b>	<b>3,157</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>5,170</b>	<b>-18</b>	<b>564</b>	<b>152</b>	<b>--</b>	<b>166</b>	<b>502</b>	<b>2,080</b>	<b>3,120</b>
Natural Gas Liquids .....	5,170	-18	307	137	--	169	502	2,080	2,846
Ethane .....	2,020	--	6	--	--	58	--	283	1,685
Propane .....	1,676	--	264	107	--	32	--	1,235	780
Normal Butane .....	460	--	57	23	--	29	171	358	-17
Isobutane .....	430	--	-20	7	--	3	196	5	213
Natural Gasoline .....	585	-18	--	0	--	47	135	200	185
Refinery Olefins .....	--	--	257	15	--	-3	--	--	275
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	261	13	--	-1	--	--	275
Normal Butylene .....	--	--	-5	2	--	-2	--	--	-1
Isobutylene .....	--	--	0	--	--	0	--	--	0
<b>Other Liquids</b> .....	<b>--</b>	<b>1,017</b>	<b>--</b>	<b>1,073</b>	<b>208</b>	<b>-60</b>	<b>1,867</b>	<b>422</b>	<b>69</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,017	--	40	108	2	1,065	97	0
Hydrogen .....	--	--	--	--	206	--	206	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	1,017	--	40	-98	2	859	97	0
Fuel Ethanol <sup>5</sup> .....	--	900	--	9	-16	3	803	87	0
Renewable Fuels Except Fuel Ethanol .....	--	117	--	30	-82	0	56	10	0
Other Hydrocarbons .....	--	--	--	0	0	0	1	--	0
Unfinished Oils .....	--	--	--	555	--	-28	249	264	70
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	478	100	-35	551	61	0
Reformulated .....	--	0	--	170	222	2	388	2	0
Conventional .....	--	0	--	308	-122	-37	163	59	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>2</b>	<b>16,948</b>	<b>753</b>	<b>-10</b>	<b>14</b>	<b>--</b>	<b>2,810</b>	<b>14,869</b>
Finished Motor Gasoline .....	--	2	8,734	107	-84	-3	--	710	8,052
Reformulated .....	--	--	2,673	--	-205	0	--	--	2,468
Conventional .....	--	2	6,062	107	121	-3	--	710	5,584
Finished Aviation Gasoline .....	--	--	10	1	--	0	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,008	151	--	-8	--	96	1,072
Kerosene .....	--	--	11	1	--	-1	--	5	8
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,750	194	73	49	--	1,200	3,768
15 ppm sulfur and under .....	--	--	4,535	188	73	58	--	1,013	3,725
Greater than 15 ppm to 500 ppm sulfur .....	--	--	104	4	--	-3	--	96	15
Greater than 500 ppm sulfur .....	--	--	111	1	--	-7	--	91	28
Residual Fuel Oil .....	--	--	195	172	--	1	--	147	219
Less than 0.31 percent sulfur .....	--	--	32	8	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	69	39	--	5	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	93	125	--	-2	--	NA	NA
Petrochemical Feedstocks .....	--	--	263	19	--	-1	--	--	284
Naphtha for Petro. Feed. Use .....	--	--	167	16	--	-1	--	--	184
Other Oils for Petro. Feed. Use .....	--	--	96	3	--	0	--	--	100
Special Naphthas .....	--	--	32	13	--	0	--	--	45
Lubricants .....	--	--	150	36	--	-8	--	95	100
Waxes .....	--	--	4	5	--	-1	--	4	5
Petroleum Coke .....	--	--	772	9	--	-5	--	526	260
Marketable .....	--	--	584	9	--	-5	--	526	72
Catalyst .....	--	--	188	--	--	--	--	--	188
Asphalt and Road Oil .....	--	--	324	45	--	-8	--	24	352
Still Gas .....	--	--	614	--	--	--	--	--	614
Miscellaneous Products .....	--	--	82	0	--	0	--	1	80
<b>Total</b> .....	<b>16,500</b>	<b>1,001</b>	<b>17,512</b>	<b>7,869</b>	<b>563</b>	<b>331</b>	<b>16,588</b>	<b>8,469</b>	<b>18,058</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>2,180</b>	<b>--</b>	<b>--</b>	<b>13,543</b>	<b>3,516</b>	<b>-2,100</b>	<b>-594</b>	<b>17,734</b>	<b>--</b>	<b>0</b>	<b>9,916</b>
<b>Hydrocarbon Gas Liquids</b>	<b>19,011</b>	<b>-9</b>	<b>166</b>	<b>1,454</b>	<b>2,967</b>	<b>--</b>	<b>1,194</b>	<b>1,534</b>	<b>6,715</b>	<b>14,146</b>	<b>13,338</b>
Natural Gas Liquids	19,011	-9	-377	1,233	2,580	--	1,059	1,534	6,715	13,130	12,941
Ethane	7,367	--	--	--	-4,851	--	280	--	1,740	496	1,139
Propane	6,702	--	394	1,115	6,150	--	501	--	3,601	10,259	8,802
Normal Butane	2,126	--	-599	25	1,925	--	-317	1,054	1,213	1,527	1,932
Isobutane	893	--	-172	93	-294	--	29	245	1	245	271
Natural Gasoline	1,923	-9	--	--	-350	--	566	235	161	602	797
Refinery Olefins	--	--	543	221	387	--	135	--	--	1,016	397
Ethylene	--	--	19	--	--	--	--	--	--	19	--
Propylene	--	--	518	221	387	--	39	--	--	1,087	160
Normal Butylene	--	--	-52	--	--	--	86	--	--	-138	193
Isobutylene	--	--	58	--	--	--	10	--	--	48	44
<b>Other Liquids</b>	<b>--</b>	<b>534</b>	<b>--</b>	<b>16,638</b>	<b>57,974</b>	<b>5,721</b>	<b>5,389</b>	<b>74,814</b>	<b>321</b>	<b>344</b>	<b>75,261</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	534	--	255	8,149	664	109	9,196	297	0	8,130
Hydrogen	--	--	--	--	--	112	--	112	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	534	--	255	8,149	552	109	9,084	297	0	8,130
Fuel Ethanol	--	365	--	--	7,799	805	-129	8,802	296	0	6,694
Renewable Fuels Except Fuel Ethanol	--	169	--	255	350	-253	238	282	1	0	1,436
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,040	-38	--	-223	2,859	22	344	3,795
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	13,343	49,863	5,058	5,503	62,759	2	0	63,336
Reformulated	--	--	--	5,746	8,113	1,854	1,590	14,123	0	0	22,024
Conventional	--	--	--	7,597	41,750	3,204	3,913	48,636	2	0	41,312
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>95,319</b>	<b>13,432</b>	<b>35,548</b>	<b>-5,608</b>	<b>-547</b>	<b>--</b>	<b>1,035</b>	<b>138,203</b>	<b>91,954</b>
Finished Motor Gasoline	--	--	84,747	1,361	4,957	-5,863	438	--	25	84,739	3,957
Reformulated	--	--	32,471	--	--	-2,144	0	--	--	30,327	34
Conventional	--	--	52,276	1,361	4,957	-3,719	438	--	25	54,412	3,923
Finished Aviation Gasoline	--	--	--	23	36	--	40	--	--	19	249
Kerosene-Type Jet Fuel	--	--	1,038	1,595	7,878	--	380	--	11	10,120	9,222
Kerosene	--	--	55	--	135	--	150	--	130	-90	2,247
Distillate Fuel Oil <sup>6</sup>	--	--	5,659	8,601	20,676	254	-1,008	--	10	36,188	61,654
15 ppm sulfur and under	--	--	5,655	8,599	19,679	254	-1,045	--	10	35,223	56,942
Greater than 15 ppm to 500 ppm sulfur	--	--	152	2	--	--	15	--	--	139	1,510
Greater than 500 ppm sulfur	--	--	-148	--	997	--	22	--	0	827	3,202
Residual Fuel Oil	--	--	939	1,078	--	--	39	--	93	1,885	8,682
Less than 0.31 percent sulfur	--	--	-15	--	--	--	-145	--	NA	NA	884
0.31 to 1.00 percent sulfur	--	--	744	--	--	--	-164	--	NA	NA	2,305
Greater than 1.00 percent sulfur	--	--	210	1,078	--	--	348	--	NA	NA	5,493
Petrochemical Feedstocks	--	--	--	2	--	--	--	--	--	2	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	2	--	--	--	--	--	2	--
Special Naphthas	--	--	8	4	--	--	8	--	--	4	44
Lubricants	--	--	404	104	630	--	24	--	156	958	956
Waxes	--	--	-18	91	--	--	6	--	78	-11	254
Petroleum Coke	--	--	625	6	647	--	--	--	460	818	--
Marketable	--	--	170	6	647	--	--	--	460	363	--
Catalyst	--	--	455	--	--	--	--	--	--	455	--
Asphalt and Road Oil	--	--	950	565	558	--	-623	--	59	2,637	4,636
Still Gas	--	--	849	--	--	--	--	--	--	849	--
Miscellaneous Products	--	--	63	2	31	--	-1	--	12	85	53
<b>Total</b>	<b>21,191</b>	<b>525</b>	<b>95,485</b>	<b>45,067</b>	<b>100,006</b>	<b>-1,987</b>	<b>5,442</b>	<b>94,082</b>	<b>8,072</b>	<b>152,692</b>	<b>190,469</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>23,456</b>	<b>--</b>	<b>--</b>	<b>141,730</b>	<b>57,205</b>	<b>-10,596</b>	<b>270</b>	<b>202,662</b>	<b>8,864</b>	<b>0</b>	<b>9,916</b>
<b>Hydrocarbon Gas Liquids</b>	<b>205,032</b>	<b>-106</b>	<b>6,748</b>	<b>12,251</b>	<b>19,358</b>	<b>--</b>	<b>3,716</b>	<b>11,478</b>	<b>87,698</b>	<b>140,391</b>	<b>13,338</b>
Natural Gas Liquids	205,032	-106	2,378	9,650	15,422	--	3,627	11,478	87,698	129,573	12,941
Ethane	78,056	--	--	--	-55,913	--	400	--	18,853	2,890	1,139
Propane	73,111	--	4,319	8,874	61,452	--	2,244	--	49,979	95,533	8,802
Normal Butane	23,292	--	-971	249	15,889	--	435	6,428	17,710	13,886	1,932
Isobutane	9,629	--	-970	527	-2,674	--	103	2,364	8	4,037	271
Natural Gasoline	20,944	-106	--	--	-3,332	--	445	2,686	1,149	13,226	797
Refinery Olefins	--	--	4,370	2,601	3,936	--	89	--	--	10,818	397
Ethylene	--	--	130	--	--	--	--	--	--	130	--
Propylene	--	--	4,265	2,601	3,936	--	9	--	--	10,793	160
Normal Butylene	--	--	-308	--	--	--	51	--	--	-359	193
Isobutylene	--	--	283	--	--	--	29	--	--	254	44
<b>Other Liquids</b>	<b>--</b>	<b>6,390</b>	<b>--</b>	<b>162,205</b>	<b>629,012</b>	<b>48,577</b>	<b>1,569</b>	<b>843,380</b>	<b>2,509</b>	<b>-1,273</b>	<b>75,261</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	6,399	--	1,889	95,795	-1,346	-449	101,597	1,590	0	8,130
Hydrogen	--	--	--	--	--	1,172	--	1,172	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	6,399	--	1,889	95,795	-2,518	-449	100,425	1,590	0	8,130
Fuel Ethanol	--	4,847	--	--	93,493	-535	-567	96,971	1,401	0	6,694
Renewable Fuels Except Fuel Ethanol	--	1,552	--	1,889	2,302	-1,983	118	3,454	189	0	1,436
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	24,180	642	--	-346	26,065	376	-1,273	3,795
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	136,136	532,575	49,922	2,364	715,718	542	0	63,336
Reformulated	--	--	--	55,782	85,267	28,412	869	168,578	14	0	22,024
Conventional	--	-9	--	80,354	447,308	21,510	1,495	547,140	528	0	41,312
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>1,062,597</b>	<b>128,722</b>	<b>438,827</b>	<b>-47,407</b>	<b>16,988</b>	<b>--</b>	<b>28,331</b>	<b>1,537,420</b>	<b>91,954</b>
Finished Motor Gasoline	--	--	940,878	29,225	38,274	-49,387	-675	--	1,958	957,706	3,957
Reformulated	--	--	355,134	--	--	-28,139	6	--	--	326,989	34
Conventional	--	--	585,744	29,225	38,274	-21,249	-681	--	1,958	630,717	3,923
Finished Aviation Gasoline	--	--	--	61	726	--	50	--	--	737	249
Kerosene-Type Jet Fuel	--	--	10,422	15,843	89,459	--	377	--	1,799	113,548	9,222
Kerosene	--	--	921	303	1,525	--	42	--	405	2,302	2,247
Distillate Fuel Oil <sup>6</sup>	--	--	67,004	55,511	285,048	1,981	16,852	--	9,185	383,507	61,654
15 ppm sulfur and under	--	--	67,263	54,137	274,125	1,981	17,210	--	5,845	374,451	56,942
Greater than 15 ppm to 500 ppm sulfur	--	--	1,054	1,111	1,052	--	39	--	2,661	517	1,510
Greater than 500 ppm sulfur	--	--	-1,313	263	9,871	--	-397	--	679	8,539	3,202
Residual Fuel Oil	--	--	10,318	15,606	963	--	1,011	--	3,661	22,215	8,682
Less than 0.31 percent sulfur	--	--	-396	1,105	1,118	--	-793	--	NA	NA	884
0.31 to 1.00 percent sulfur	--	--	8,180	6,883	-208	--	218	--	NA	NA	2,305
Greater than 1.00 percent sulfur	--	--	2,534	7,618	53	--	1,586	--	NA	NA	5,493
Petrochemical Feedstocks	--	--	-5	879	200	--	-45	--	--	1,119	--
Naphtha for Petro. Feed. Use	--	--	-5	870	200	--	-45	--	--	1,110	--
Other Oils for Petro. Feed. Use	--	--	--	9	--	--	--	--	--	9	--
Special Naphthas	--	--	155	18	--	--	11	--	--	162	44
Lubricants	--	--	3,679	1,339	5,660	--	-486	--	1,932	9,232	956
Waxes	--	--	-109	808	--	--	-155	--	734	120	254
Petroleum Coke	--	--	7,463	35	5,421	--	--	--	7,730	5,189	--
Marketable	--	--	2,970	35	5,421	--	--	--	7,730	696	--
Catalyst	--	--	4,493	--	--	--	--	--	--	4,493	--
Asphalt and Road Oil	--	--	11,259	9,092	11,110	--	-14	--	774	30,701	4,636
Still Gas	--	--	9,766	--	--	--	--	--	--	9,766	--
Miscellaneous Products	--	--	846	2	441	--	20	--	155	1,114	53
<b>Total</b>	<b>228,488</b>	<b>6,284</b>	<b>1,069,345</b>	<b>444,908</b>	<b>1,144,402</b>	<b>-9,426</b>	<b>22,543</b>	<b>1,057,520</b>	<b>127,402</b>	<b>1,676,537</b>	<b>190,469</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>73</b>	<b>--</b>	<b>--</b>	<b>451</b>	<b>117</b>	<b>-70</b>	<b>-20</b>	<b>591</b>	<b>--</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>634</b>	<b>0</b>	<b>6</b>	<b>48</b>	<b>99</b>	<b>--</b>	<b>40</b>	<b>51</b>	<b>224</b>	<b>472</b>
Natural Gas Liquids .....	634	0	-13	41	86	--	35	51	224	438
Ethane .....	246	--	--	--	-162	--	9	--	58	17
Propane .....	223	--	13	37	205	--	17	--	120	342
Normal Butane .....	71	--	-20	1	64	--	-11	35	40	51
Isobutane .....	30	--	-6	3	-10	--	1	8	0	8
Natural Gasoline .....	64	0	--	--	-12	--	19	8	5	20
Refinery Olefins .....	--	--	18	7	13	--	5	--	--	34
Ethylene .....	--	--	1	--	--	--	--	--	--	1
Propylene .....	--	--	17	7	13	--	1	--	--	36
Normal Butylene .....	--	--	-2	--	--	--	3	--	--	-5
Isobutylene .....	--	--	2	--	--	--	0	--	--	2
<b>Other Liquids</b> .....	<b>--</b>	<b>18</b>	<b>--</b>	<b>555</b>	<b>1,932</b>	<b>191</b>	<b>180</b>	<b>2,494</b>	<b>11</b>	<b>11</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	18	--	9	272	22	4	307	10	0
Hydrogen .....	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	18	--	9	272	18	4	303	10	0
Fuel Ethanol <sup>6</sup> .....	--	12	--	--	260	27	-4	293	10	0
Renewable Fuels Except Fuel Ethanol .....	--	6	--	9	12	-8	8	9	0	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	101	-1	--	-7	95	1	11
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup> .....	--	--	--	445	1,662	169	183	2,092	0	0
Reformulated .....	--	--	--	192	270	62	53	471	0	0
Conventional .....	--	--	--	253	1,392	107	130	1,621	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,177</b>	<b>448</b>	<b>1,185</b>	<b>-187</b>	<b>-18</b>	<b>--</b>	<b>35</b>	<b>4,607</b>
Finished Motor Gasoline .....	--	--	2,825	45	165	-195	15	--	1	2,825
Reformulated .....	--	--	1,082	--	--	-71	0	--	--	1,011
Conventional .....	--	--	1,743	45	165	-124	15	--	1	1,814
Finished Aviation Gasoline .....	--	--	--	1	1	--	1	--	--	1
Kerosene-Type Jet Fuel .....	--	--	35	53	263	--	13	--	0	337
Kerosene .....	--	--	2	--	5	--	5	--	4	-3
Distillate Fuel Oil <sup>6</sup> .....	--	--	189	287	689	8	-34	--	0	1,206
15 ppm sulfur and under .....	--	--	189	287	656	8	-35	--	0	1,174
Greater than 15 ppm to 500 ppm sulfur .....	--	--	5	0	--	--	1	--	--	5
Greater than 500 ppm sulfur .....	--	--	-5	--	33	--	1	--	0	28
Residual Fuel Oil .....	--	--	31	36	--	--	1	--	3	63
Less than 0.31 percent sulfur .....	--	--	-1	--	--	--	-5	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	25	--	--	--	-5	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	7	36	--	--	12	--	NA	NA
Petrochemical Feedstocks .....	--	--	--	0	--	--	--	--	--	0
Naphtha for Petro. Feed. Use .....	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use .....	--	--	--	0	--	--	--	--	--	0
Special Naphthas .....	--	--	0	0	--	--	0	--	--	0
Lubricants .....	--	--	13	3	21	--	1	--	5	32
Waxes .....	--	--	-1	3	--	--	0	--	3	0
Petroleum Coke .....	--	--	21	0	22	--	--	--	15	27
Marketable .....	--	--	6	0	22	--	--	--	15	12
Catalyst .....	--	--	15	--	--	--	--	--	--	15
Asphalt and Road Oil .....	--	--	32	19	19	--	-21	--	2	88
Still Gas .....	--	--	28	--	--	--	--	--	--	28
Miscellaneous Products .....	--	--	2	0	1	--	0	--	0	3
<b>Total</b> .....	<b>706</b>	<b>17</b>	<b>3,183</b>	<b>1,502</b>	<b>3,334</b>	<b>-66</b>	<b>181</b>	<b>3,136</b>	<b>269</b>	<b>5,090</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>70</b>	<b>--</b>	<b>--</b>	<b>423</b>	<b>171</b>	<b>-32</b>	<b>1</b>	<b>605</b>	<b>26</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>612</b>	<b>0</b>	<b>20</b>	<b>37</b>	<b>58</b>	<b>--</b>	<b>11</b>	<b>34</b>	<b>262</b>	<b>419</b>
Natural Gas Liquids .....	612	0	7	29	46	--	11	34	262	387
Ethane .....	233	--	--	--	-167	--	1	--	56	9
Propane .....	218	--	13	26	183	--	7	--	149	285
Normal Butane .....	70	--	-3	1	47	--	1	19	53	41
Isobutane .....	29	--	-3	2	-8	--	0	7	0	12
Natural Gasoline .....	63	0	--	--	-10	--	1	8	3	39
Refinery Olefins .....	--	--	13	8	12	--	0	--	--	32
Ethylene .....	--	--	0	--	--	--	--	--	--	0
Propylene .....	--	--	13	8	12	--	0	--	--	32
Normal Butylene .....	--	--	-1	--	--	--	0	--	--	-1
Isobutylene .....	--	--	1	--	--	--	0	--	--	1
<b>Other Liquids</b> .....	<b>--</b>	<b>19</b>	<b>--</b>	<b>484</b>	<b>1,878</b>	<b>145</b>	<b>5</b>	<b>2,518</b>	<b>7</b>	<b>-4</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	19	--	6	286	-4	-1	303	5	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	19	--	6	286	-8	-1	300	5	0
Fuel Ethanol <sup>6</sup> .....	--	14	--	--	279	-2	-2	289	4	0
Renewable Fuels Except Fuel Ethanol .....	--	5	--	6	7	-6	0	10	1	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	72	2	--	-1	78	1	-4
Motor Gasoline Blend Comp. (MGBC) <sup>6</sup> .....	--	0	--	406	1,590	149	7	2,136	2	0
Reformulated .....	--	--	--	167	255	85	3	503	0	0
Conventional .....	--	0	--	240	1,335	64	4	1,633	2	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>3,172</b>	<b>384</b>	<b>1,310</b>	<b>-142</b>	<b>51</b>	<b>--</b>	<b>85</b>	<b>4,589</b>
Finished Motor Gasoline .....	--	--	2,809	87	114	-147	-2	--	6	2,859
Reformulated .....	--	--	1,060	--	--	-84	0	--	--	976
Conventional .....	--	--	1,748	87	114	-63	-2	--	6	1,883
Finished Aviation Gasoline .....	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel .....	--	--	31	47	267	--	1	--	5	339
Kerosene .....	--	--	3	1	5	--	0	--	1	7
Distillate Fuel Oil <sup>6</sup> .....	--	--	200	166	851	6	50	--	27	1,145
15 ppm sulfur and under .....	--	--	201	162	818	6	51	--	17	1,118
Greater than 15 ppm to 500 ppm sulfur .....	--	--	3	3	3	--	0	--	8	2
Greater than 500 ppm sulfur .....	--	--	-4	1	29	--	-1	--	2	25
Residual Fuel Oil .....	--	--	31	47	3	--	3	--	11	66
Less than 0.31 percent sulfur .....	--	--	-1	3	3	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	24	21	-1	--	1	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	8	23	0	--	5	--	NA	NA
Petrochemical Feedstocks .....	--	--	0	3	1	--	0	--	--	3
Naphtha for Petro. Feed. Use .....	--	--	0	3	1	--	0	--	--	3
Other Oils for Petro. Feed. Use .....	--	--	--	0	--	--	--	--	--	0
Special Naphthas .....	--	--	0	0	--	--	0	--	--	0
Lubricants .....	--	--	11	4	17	--	-1	--	6	28
Waxes .....	--	--	0	2	--	--	0	--	2	0
Petroleum Coke .....	--	--	22	0	16	--	--	--	23	15
Marketable .....	--	--	9	0	16	--	--	--	23	2
Catalyst .....	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil .....	--	--	34	27	33	--	0	--	2	92
Still Gas .....	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products .....	--	--	3	0	1	--	0	--	0	3
<b>Total</b> .....	<b>682</b>	<b>19</b>	<b>3,192</b>	<b>1,328</b>	<b>3,416</b>	<b>-28</b>	<b>67</b>	<b>3,157</b>	<b>380</b>	<b>5,005</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>54,932</b>	<b>--</b>	<b>--</b>	<b>81,778</b>	<b>-23,234</b>	<b>-1,131</b>	<b>1,937</b>	<b>105,090</b>	<b>5,318</b>	<b>0</b>	<b>148,348</b>
<b>Hydrocarbon Gas Liquids</b>	<b>31,481</b>	<b>-600</b>	<b>181</b>	<b>2,057</b>	<b>-11,598</b>	<b>--</b>	<b>-6,277</b>	<b>3,648</b>	<b>7,395</b>	<b>16,755</b>	<b>56,219</b>
Natural Gas Liquids	31,481	-600	-932	1,886	-10,828	--	-6,099	3,648	7,395	16,063	55,756
Ethane	10,984	--	--	--	-2,181	--	80	--	2,648	6,075	6,176
Propane	11,127	--	2,216	1,555	-7,290	--	-195	--	97	7,706	25,846
Normal Butane	3,959	--	-2,938	301	-4,909	--	-5,220	1,374	100	159	11,069
Isobutane	1,787	--	-210	28	196	--	-357	1,534	1	623	1,790
Natural Gasoline	3,624	-600	--	2	3,356	--	-407	740	4,550	1,499	10,875
Refinery Olefins	--	--	1,113	171	-770	--	-178	--	--	692	463
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,141	132	-770	--	-12	--	--	515	404
Normal Butylene	--	--	-28	39	--	--	-166	--	--	177	59
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>31,074</b>	<b>--</b>	<b>84</b>	<b>-12,443</b>	<b>-3,167</b>	<b>5,130</b>	<b>10,105</b>	<b>1,683</b>	<b>-1,369</b>	<b>66,740</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	31,074	--	63	-17,340	-3,561	1,497	8,029	710	0	10,411
Hydrogen	--	--	--	--	--	1,171	--	1,171	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	31,074	--	63	-17,340	-4,744	1,510	6,833	710	0	10,398
Fuel Ethanol	--	28,456	--	--	-16,300	-3,629	1,325	6,514	687	0	9,242
Renewable Fuels Except Fuel Ethanol	--	2,618	--	63	-1,039	-1,115	185	319	23	0	1,156
Other Hydrocarbons	--	--	--	--	--	12	-13	25	--	0	13
Unfinished Oils	--	--	--	--	-243	--	-869	1,082	913	-1,369	11,450
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	21	5,140	395	4,502	994	60	0	44,879
Reformulated	--	0	--	--	768	-5	1,094	-331	--	0	5,858
Conventional	--	--	--	21	4,372	400	3,408	1,325	60	0	39,021
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>20</b>	<b>125,320</b>	<b>1,175</b>	<b>30</b>	<b>4,350</b>	<b>95</b>	<b>--</b>	<b>1,156</b>	<b>129,643</b>	<b>53,828</b>
Finished Motor Gasoline	--	20	69,731	--	-1,090	3,235	471	--	198	71,227	7,722
Reformulated	--	--	8,866	--	--	-44	--	--	--	8,822	--
Conventional	--	20	60,865	--	-1,090	3,278	471	--	198	62,404	7,722
Finished Aviation Gasoline	--	--	50	4	10	--	35	--	--	29	170
Kerosene-Type Jet Fuel	--	--	5,921	15	1,206	--	-153	--	27	7,268	6,763
Kerosene	--	--	286	--	--	--	11	--	1	274	200
Distillate Fuel Oil	--	--	33,225	216	1,382	1,115	-774	--	123	36,589	26,385
15 ppm sulfur and under	--	--	33,251	191	1,302	1,115	-780	--	2	36,637	25,772
Greater than 15 ppm to 500 ppm sulfur	--	--	165	--	80	--	81	--	13	151	277
Greater than 500 ppm sulfur	--	--	-191	25	--	--	-75	--	108	-199	336
Residual Fuel Oil	--	--	966	91	-548	--	89	--	178	242	1,308
Less than 0.31 percent sulfur	--	--	69	--	-86	--	11	--	NA	NA	64
0.31 to 1.00 percent sulfur	--	--	364	14	-274	--	42	--	NA	NA	327
Greater than 1.00 percent sulfur	--	--	533	77	-188	--	36	--	NA	NA	917
Petrochemical Feedstocks	--	--	864	139	--	--	108	--	--	895	561
Naphtha for Petro. Feed. Use	--	--	502	78	--	--	115	--	--	465	462
Other Oils for Petro. Feed. Use	--	--	362	61	--	--	-7	--	--	430	99
Special Naphthas	--	--	-15	7	29	--	-16	--	--	37	132
Lubricants	--	--	230	180	177	--	-13	--	155	445	566
Waxes	--	--	22	13	--	--	-10	--	17	28	50
Petroleum Coke	--	--	5,238	31	-691	--	-342	--	429	4,491	1,673
Marketable	--	--	3,896	31	-691	--	-342	--	429	3,149	1,673
Catalyst	--	--	1,342	--	--	--	--	--	--	1,342	--
Asphalt and Road Oil	--	--	4,321	479	-414	--	680	--	27	3,679	8,190
Still Gas	--	--	4,013	--	--	--	--	--	--	4,013	--
Miscellaneous Products	--	--	468	--	-31	--	9	--	--	428	108
<b>Total</b>	<b>86,413</b>	<b>30,494</b>	<b>125,501</b>	<b>85,094</b>	<b>-47,245</b>	<b>52</b>	<b>885</b>	<b>118,843</b>	<b>15,553</b>	<b>145,028</b>	<b>325,135</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>617,840</b>	<b>--</b>	<b>--</b>	<b>878,439</b>	<b>-237,834</b>	<b>-24,624</b>	<b>21,759</b>	<b>1,157,635</b>	<b>54,428</b>	<b>0</b>	<b>148,348</b>
<b>Hydrocarbon Gas Liquids</b>	<b>335,876</b>	<b>-5,697</b>	<b>35,712</b>	<b>20,320</b>	<b>-154,901</b>	<b>--</b>	<b>8,934</b>	<b>28,612</b>	<b>99,521</b>	<b>94,243</b>	<b>56,219</b>
Natural Gas Liquids	335,876	-5,697	21,922	18,118	-146,695	--	8,775	28,612	99,521	86,616	55,756
Ethane	114,680	--	--	--	-37,589	--	761	--	31,331	44,999	6,176
Propane	120,358	--	23,581	14,308	-105,303	--	5,830	--	1,938	45,176	25,846
Normal Butane	40,365	--	488	2,271	-40,008	--	1,924	6,830	2,141	-7,779	11,069
Isobutane	21,363	--	-2,147	1,476	-85	--	-107	15,200	10	5,504	1,790
Natural Gasoline	39,110	-5,697	--	63	36,290	--	367	6,582	64,101	-1,284	10,875
Refinery Olefins	--	--	13,790	2,202	-8,206	--	159	--	--	7,627	463
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	13,129	1,694	-8,206	--	120	--	--	6,497	404
Normal Butylene	--	--	661	508	--	--	39	--	--	1,130	59
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>313,352</b>	<b>--</b>	<b>3,790</b>	<b>-135,703</b>	<b>-30,065</b>	<b>-3,173</b>	<b>142,062</b>	<b>23,177</b>	<b>-10,692</b>	<b>66,740</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	313,365	--	1,065	-199,948	-13,849	1,598	90,913	8,123	0	10,411
Hydrogen	--	--	--	--	--	12,538	--	12,538	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	313,365	--	1,065	-199,948	-26,574	1,595	78,191	8,123	0	10,398
Fuel Ethanol	--	285,067	--	--	-190,591	-13,581	1,378	73,362	6,155	0	9,242
Renewable Fuels Except Fuel Ethanol	--	28,298	--	1,065	-9,357	-12,993	217	4,829	1,968	0	1,156
Other Hydrocarbons	--	--	--	--	--	187	3	184	--	0	13
Unfinished Oils	--	--	--	594	-2,936	--	-1,971	-3,566	13,887	-10,692	11,450
Motor Gasoline Blend.Comp. (MGBC)	--	-13	--	2,131	67,181	-16,216	-2,800	54,715	1,168	0	44,879
Reformulated	--	-5	--	--	16,482	-5,371	255	10,850	1	0	5,858
Conventional	--	-8	--	2,131	50,699	-10,845	-3,055	43,865	1,167	0	39,021
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>693</b>	<b>1,362,502</b>	<b>11,754</b>	<b>16,823</b>	<b>42,791</b>	<b>-6,656</b>	<b>--</b>	<b>12,536</b>	<b>1,428,682</b>	<b>53,828</b>
Finished Motor Gasoline	--	693	766,501	37	-1,851	29,797	401	--	2,351	792,425	7,722
Reformulated	--	--	100,282	--	--	7,123	--	--	--	107,405	--
Conventional	--	693	666,219	37	-1,851	22,674	401	--	2,351	685,020	7,722
Finished Aviation Gasoline	--	--	244	40	170	--	19	--	--	435	170
Kerosene-Type Jet Fuel	--	--	58,994	15	13,029	--	-4	--	846	71,196	6,763
Kerosene	--	--	1,276	--	25	--	-122	--	10	1,413	200
Distillate Fuel Oil	--	--	356,542	2,289	29,042	12,994	-5,068	--	1,570	404,365	26,385
15 ppm sulfur and under	--	--	356,970	2,139	28,032	12,994	-4,687	--	10	404,812	25,772
Greater than 15 ppm to 500 ppm sulfur	--	--	1,138	--	898	--	-203	--	162	2,077	277
Greater than 500 ppm sulfur	--	--	-1,566	150	112	--	-178	--	1,398	-2,524	336
Residual Fuel Oil	--	--	10,247	932	-6,612	--	61	--	1,879	2,627	1,308
Less than 0.31 percent sulfur	--	--	697	--	-466	--	-133	--	NA	NA	64
0.31 to 1.00 percent sulfur	--	--	3,910	416	-3,580	--	78	--	NA	NA	327
Greater than 1.00 percent sulfur	--	--	5,640	516	-2,566	--	116	--	NA	NA	917
Petrochemical Feedstocks	--	--	8,933	1,668	-767	--	41	--	--	9,793	561
Naphtha for Petro. Feed. Use	--	--	5,125	910	-731	--	38	--	--	5,266	462
Other Oils for Petro. Feed. Use	--	--	3,808	758	-36	--	3	--	--	4,527	99
Special Naphthas	--	--	-38	70	190	--	-46	--	--	268	132
Lubricants	--	--	1,972	1,482	1,925	--	-124	--	1,977	3,526	566
Waxes	--	--	309	145	--	--	9	--	288	157	50
Petroleum Coke	--	--	58,838	270	-10,808	--	-403	--	2,510	46,192	1,673
Marketable	--	--	44,518	270	-10,808	--	-403	--	2,510	31,872	1,673
Catalyst	--	--	14,320	--	--	--	--	--	--	14,320	--
Asphalt and Road Oil	--	--	49,511	4,806	-7,109	--	-1,427	--	1,073	47,562	8,190
Still Gas	--	--	44,126	--	--	--	--	--	--	44,126	--
Miscellaneous Products	--	--	5,047	--	-411	--	7	--	31	4,598	108
<b>Total</b>	<b>953,716</b>	<b>308,348</b>	<b>1,398,214</b>	<b>914,303</b>	<b>-511,615</b>	<b>-11,898</b>	<b>20,864</b>	<b>1,328,309</b>	<b>189,662</b>	<b>1,512,234</b>	<b>325,135</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,831</b>	<b>--</b>	<b>--</b>	<b>2,726</b>	<b>-774</b>	<b>-38</b>	<b>65</b>	<b>3,503</b>	<b>177</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,049</b>	<b>-20</b>	<b>6</b>	<b>69</b>	<b>-387</b>	<b>--</b>	<b>-209</b>	<b>122</b>	<b>247</b>	<b>558</b>
Natural Gas Liquids	1,049	-20	-31	63	-361	--	-203	122	247	535
Ethane	366	--	--	--	-73	--	3	--	88	203
Propane	371	--	74	52	-243	--	-7	--	3	257
Normal Butane	132	--	-98	10	-164	--	-174	46	3	5
Isobutane	60	--	-7	1	7	--	-12	51	0	21
Natural Gasoline	121	-20	--	0	112	--	-14	25	152	50
Refinery Olefins	--	--	37	6	-26	--	-6	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	38	4	-26	--	0	--	--	17
Normal Butylene	--	--	-1	1	--	--	-6	--	--	6
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>1,036</b>	<b>--</b>	<b>3</b>	<b>-415</b>	<b>-106</b>	<b>171</b>	<b>337</b>	<b>56</b>	<b>-46</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,036	--	2	-578	-119	50	268	24	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,036	--	2	-578	-158	50	228	24	0
Fuel Ethanol	--	949	--	--	-543	-121	44	217	23	0
Renewable Fuels Except Fuel Ethanol	--	87	--	2	-35	-37	6	11	1	0
Other Hydrocarbons	--	--	--	--	--	0	0	1	--	0
Unfinished Oils	--	--	--	--	-8	--	-29	36	30	-46
Motor Gasoline Blend Comp. (MGBC)	--	0	--	1	171	13	150	33	2	0
Reformulated	--	0	--	--	26	0	36	-11	--	0
Conventional	--	--	--	1	146	13	114	44	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>1</b>	<b>4,177</b>	<b>39</b>	<b>1</b>	<b>145</b>	<b>3</b>	<b>--</b>	<b>39</b>	<b>4,321</b>
Finished Motor Gasoline	--	1	2,324	--	-36	108	16	--	7	2,374
Reformulated	--	--	296	--	--	-1	--	--	--	294
Conventional	--	1	2,029	--	-36	109	16	--	7	2,080
Finished Aviation Gasoline	--	--	2	0	0	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	197	1	40	--	-5	--	1	242
Kerosene	--	--	10	--	--	--	0	--	0	9
Distillate Fuel Oil	--	--	1,108	7	46	37	-26	--	4	1,220
15 ppm sulfur and under	--	--	1,108	6	43	37	-26	--	0	1,221
Greater than 15 ppm to 500 ppm sulfur	--	--	6	--	3	--	3	--	0	5
Greater than 500 ppm sulfur	--	--	-6	1	--	--	-3	--	4	-7
Residual Fuel Oil	--	--	32	3	-18	--	3	--	6	8
Less than 0.31 percent sulfur	--	--	2	--	-3	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	0	-9	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	18	3	-6	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	29	5	--	--	4	--	--	30
Naphtha for Petro. Feed. Use	--	--	17	3	--	--	4	--	--	16
Other Oils for Petro. Feed. Use	--	--	12	2	--	--	0	--	--	14
Special Naphthas	--	--	-1	0	1	--	-1	--	--	1
Lubricants	--	--	8	6	6	--	0	--	5	15
Waxes	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	175	1	-23	--	-11	--	14	150
Marketable	--	--	130	1	-23	--	-11	--	14	105
Catalyst	--	--	45	--	--	--	--	--	--	45
Asphalt and Road Oil	--	--	144	16	-14	--	23	--	1	123
Still Gas	--	--	134	--	--	--	--	--	--	134
Miscellaneous Products	--	--	16	--	-1	--	0	--	--	14
<b>Total</b>	<b>2,880</b>	<b>1,016</b>	<b>4,183</b>	<b>2,836</b>	<b>-1,575</b>	<b>2</b>	<b>30</b>	<b>3,961</b>	<b>518</b>	<b>4,834</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,844</b>	<b>--</b>	<b>--</b>	<b>2,622</b>	<b>-710</b>	<b>-74</b>	<b>65</b>	<b>3,456</b>	<b>162</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,003</b>	<b>-17</b>	<b>107</b>	<b>61</b>	<b>-462</b>	<b>--</b>	<b>27</b>	<b>85</b>	<b>297</b>	<b>281</b>
Natural Gas Liquids	1,003	-17	65	54	-438	--	26	85	297	259
Ethane	342	--	--	--	-112	--	2	--	94	134
Propane	359	--	70	43	-314	--	17	--	6	135
Normal Butane	120	--	1	7	-119	--	6	20	6	-23
Isobutane	64	--	-6	4	0	--	0	45	0	16
Natural Gasoline	117	-17	--	0	108	--	1	20	191	-4
Refinery Olefins	--	--	41	7	-24	--	0	--	--	23
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	5	-24	--	0	--	--	19
Normal Butylene	--	--	2	2	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>935</b>	<b>--</b>	<b>11</b>	<b>-405</b>	<b>-90</b>	<b>-9</b>	<b>424</b>	<b>69</b>	<b>-32</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	935	--	3	-597	-41	5	271	24	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	935	--	3	-597	-79	5	233	24	0
Fuel Ethanol	--	851	--	--	-569	-41	4	219	18	0
Renewable Fuels Except Fuel Ethanol	--	84	--	3	-28	-39	1	14	6	0
Other Hydrocarbons	--	--	--	--	--	1	0	1	--	0
Unfinished Oils	--	--	--	2	-9	--	-6	-11	41	-32
Motor Gasoline Blend Comp. (MGBG)	--	0	--	6	201	-48	-8	163	3	0
Reformulated	--	0	--	--	49	-16	1	32	0	0
Conventional	--	0	--	6	151	-32	-9	131	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>2</b>	<b>4,067</b>	<b>35</b>	<b>50</b>	<b>128</b>	<b>-20</b>	<b>--</b>	<b>37</b>	<b>4,265</b>
Finished Motor Gasoline	--	2	2,288	0	-6	89	1	--	7	2,365
Reformulated	--	--	299	--	--	21	--	--	--	321
Conventional	--	2	1,989	0	-6	68	1	--	7	2,045
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	176	0	39	--	0	--	3	213
Kerosene	--	--	4	--	0	--	0	--	0	4
Distillate Fuel Oil	--	--	1,064	7	87	39	-15	--	5	1,207
15 ppm sulfur and under	--	--	1,066	6	84	39	-14	--	0	1,208
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	3	--	-1	--	0	6
Greater than 500 ppm sulfur	--	--	-5	0	0	--	-1	--	4	-8
Residual Fuel Oil	--	--	31	3	-20	--	0	--	6	8
Less than 0.31 percent sulfur	--	--	2	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	1	-11	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	17	2	-8	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	27	5	-2	--	0	--	--	29
Naphtha for Petro. Feed. Use	--	--	15	3	-2	--	0	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	6	4	6	--	0	--	6	11
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	176	1	-32	--	-1	--	7	138
Marketable	--	--	133	1	-32	--	-1	--	7	95
Catalyst	--	--	43	--	--	--	--	--	--	43
Asphalt and Road Oil	--	--	148	14	-21	--	-4	--	3	142
Still Gas	--	--	132	--	--	--	--	--	--	132
Miscellaneous Products	--	--	15	--	-1	--	0	--	0	14
<b>Total</b>	<b>2,847</b>	<b>920</b>	<b>4,174</b>	<b>2,729</b>	<b>-1,527</b>	<b>-36</b>	<b>62</b>	<b>3,965</b>	<b>566</b>	<b>4,514</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>228,265</b>	<b>--</b>	<b>--</b>	<b>36,221</b>	<b>33,302</b>	<b>13,843</b>	<b>9,187</b>	<b>228,018</b>	<b>74,426</b>	<b>0</b>	<b>909,173</b>
<b>Hydrocarbon Gas Liquids</b>	<b>93,541</b>	<b>-12</b>	<b>10,116</b>	<b>--</b>	<b>19,716</b>	<b>--</b>	<b>-13,293</b>	<b>11,022</b>	<b>49,037</b>	<b>76,595</b>	<b>184,664</b>
Natural Gas Liquids	93,541	-12	3,392	--	19,333	--	-11,304	11,022	49,037	67,499	183,516
Ethane	41,686	--	138	--	10,381	--	-1,401	--	3,820	49,786	68,621
Propane	28,148	--	4,607	--	5,199	--	-4,826	--	35,676	7,104	49,713
Normal Butane	5,470	--	-983	--	4,198	--	-3,023	5,324	9,077	-2,693	31,730
Isobutane	9,225	--	-370	--	782	--	-870	3,385	224	6,898	9,440
Natural Gasoline	9,012	-12	--	--	-1,227	--	-1,184	2,313	241	6,403	24,012
Refinery Olefins	--	--	6,724	--	383	--	-1,989	--	--	9,096	1,148
Ethylene	--	--	1	--	--	--	0	--	--	1	0
Propylene	--	--	6,758	--	383	--	-124	--	--	7,265	696
Normal Butylene	--	--	-2	--	--	--	-1,869	--	--	1,867	448
Isobutylene	--	--	-33	--	--	--	4	--	--	-37	4
<b>Other Liquids</b>	<b>--</b>	<b>1,092</b>	<b>--</b>	<b>12,242</b>	<b>-54,910</b>	<b>6,042</b>	<b>2,046</b>	<b>-47,946</b>	<b>8,588</b>	<b>1,779</b>	<b>123,747</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,092	--	3	4,834	3,355	-141	7,846	1,580	0	5,222
Hydrogen	--	--	--	--	--	3,466	--	3,466	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,092	--	--	4,834	-108	-141	4,380	1,580	0	5,222
Fuel Ethanol	--	497	--	--	4,613	1,083	589	4,053	1,551	0	3,996
Renewable Fuels Except Fuel Ethanol	--	595	--	--	221	-1,191	-730	327	28	0	1,226
Other Hydrocarbons	--	--	--	3	--	-3	--	--	--	0	--
Unfinished Oils	--	--	--	11,754	281	--	670	3,766	5,811	1,788	44,946
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	485	-60,025	2,687	1,515	-59,565	1,197	0	73,549
Reformulated	--	--	--	--	-10,938	5,796	499	-5,649	8	0	10,835
Conventional	--	--	--	485	-49,087	-3,108	1,016	-53,916	1,190	0	62,714
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	2	7	--	-9	30
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>195,883</b>	<b>5,644</b>	<b>-37,737</b>	<b>-3,132</b>	<b>669</b>	<b>--</b>	<b>69,430</b>	<b>90,558</b>	<b>110,913</b>
Finished Motor Gasoline	--	--	65,024	--	-3,702	-3,770	-997	--	24,054	34,495	8,609
Reformulated	--	--	11,862	--	--	-5,874	--	--	--	5,988	--
Conventional	--	--	53,162	--	-3,702	2,104	-997	--	24,054	28,507	8,609
Finished Aviation Gasoline	--	--	216	--	-46	--	-83	--	--	253	402
Kerosene-Type Jet Fuel	--	--	16,337	--	-9,703	--	353	--	1,871	4,410	12,869
Kerosene	--	--	115	--	-135	--	-30	--	181	-171	182
Distillate Fuel Oil	--	--	75,590	--	-24,081	638	1,114	--	28,382	22,650	52,057
15 ppm sulfur and under	--	--	72,446	--	-23,004	638	1,179	--	25,531	23,370	46,493
Greater than 15 ppm to 500 ppm sulfur	--	--	904	--	-80	--	27	--	972	-175	1,154
Greater than 500 ppm sulfur	--	--	2,240	--	-997	--	-92	--	1,880	-545	4,410
Residual Fuel Oil	--	--	567	4,084	548	--	-30	--	2,845	2,384	16,468
Less than 0.31 percent sulfur	--	--	206	511	86	--	236	--	NA	NA	1,469
0.31 to 1.00 percent sulfur	--	--	348	1	274	--	-142	--	NA	NA	3,789
Greater than 1.00 percent sulfur	--	--	13	3,572	188	--	-124	--	NA	NA	11,210
Petrochemical Feedstocks	--	--	7,490	233	--	--	141	--	--	7,582	2,193
Naphtha for Petro. Feed. Use	--	--	4,860	186	--	--	25	--	--	5,021	1,475
Other Oils for Petro. Feed. Use	--	--	2,630	47	--	--	116	--	--	2,561	718
Special Naphthas	--	--	1,006	254	-29	--	73	--	--	1,158	899
Lubricants	--	--	4,424	942	-807	--	502	--	2,287	1,770	7,671
Waxes	--	--	124	34	--	--	22	--	34	102	240
Petroleum Coke	--	--	11,674	96	358	--	-577	--	9,423	3,282	4,146
Marketable	--	--	8,776	96	358	--	-577	--	9,423	384	4,146
Catalyst	--	--	2,898	--	--	--	--	--	--	2,898	--
Asphalt and Road Oil	--	--	2,232	1	-140	--	132	--	331	1,629	4,824
Still Gas	--	--	9,682	--	--	--	--	--	--	9,682	--
Miscellaneous Products	--	--	1,402	--	--	--	49	--	21	1,332	353
<b>Total</b>	<b>321,806</b>	<b>1,080</b>	<b>205,999</b>	<b>54,107</b>	<b>-39,629</b>	<b>16,753</b>	<b>-1,391</b>	<b>191,094</b>	<b>201,480</b>	<b>168,933</b>	<b>1,328,497</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil<sup>6</sup></b>	<b>2,585,599</b>	<b>--</b>	<b>--</b>	<b>518,390</b>	<b>333,646</b>	<b>159,056</b>	<b>53,101</b>	<b>2,566,082</b>	<b>977,508</b>	<b>0</b>	<b>909,173</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,006,294</b>	<b>-111</b>	<b>132,346</b>	<b>195</b>	<b>243,987</b>	<b>--</b>	<b>37,802</b>	<b>98,721</b>	<b>491,916</b>	<b>754,272</b>	<b>184,664</b>
Natural Gas Liquids	1,006,294	-111	66,621	35	239,717	--	38,913	98,721	491,916	683,006	183,516
Ethane	436,574	--	2,054	--	133,522	--	17,932	--	44,669	509,549	68,621
Propane	305,525	--	47,901	35	77,339	--	41	--	351,145	79,614	49,713
Normal Butane	62,883	--	20,697	--	34,891	--	5,594	34,270	93,672	-15,065	31,730
Isobutane	99,051	--	-4,031	--	9,414	--	961	38,302	1,535	63,636	9,440
Natural Gasoline	102,261	-111	--	--	-15,449	--	14,385	26,149	896	45,271	24,012
Refinery Olefins	--	--	65,725	160	4,270	--	-1,111	--	--	71,266	1,148
Ethylene	--	--	74	--	--	--	0	--	--	74	--
Propylene	--	--	68,378	--	4,270	--	-528	--	--	73,176	696
Normal Butylene	--	--	-2,412	160	--	--	-582	--	--	-1,670	448
Isobutylene	--	--	-315	--	--	--	-1	--	--	-314	4
<b>Other Liquids</b>	<b>--</b>	<b>11,679</b>	<b>--</b>	<b>161,780</b>	<b>-591,595</b>	<b>71,095</b>	<b>-13,471</b>	<b>-473,825</b>	<b>108,665</b>	<b>31,590</b>	<b>123,747</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	11,679	--	349	55,747	38,874	-329	86,881	20,097	0	5,222
Hydrogen	--	--	--	--	--	38,839	--	38,839	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	11,679	--	273	55,747	111	-329	48,042	20,097	0	5,222
Fuel Ethanol	--	5,063	--	--	55,078	4,479	33	44,965	19,622	0	3,996
Renewable Fuels Except Fuel Ethanol	--	6,616	--	273	669	-4,369	-362	3,077	475	0	1,226
Other Hydrocarbons	--	--	--	76	--	-76	--	--	--	0	--
Unfinished Oils	--	--	--	147,515	2,469	--	-4,290	50,529	71,982	31,763	44,946
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	13,916	-649,811	32,221	-8,840	-611,420	16,586	0	73,549
Reformulated	--	--	--	--	-123,227	53,395	-152	-70,227	547	0	10,835
Conventional	--	--	--	13,916	-526,584	-21,174	-8,688	-541,193	16,039	0	62,714
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-12	185	--	-173	30
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,229,684</b>	<b>61,164</b>	<b>-467,439</b>	<b>-30,074</b>	<b>551</b>	<b>--</b>	<b>808,870</b>	<b>983,914</b>	<b>110,913</b>
Finished Motor Gasoline	--	--	680,008	594	-34,406	-36,700	-790	--	217,485	392,800	8,609
Reformulated	--	--	131,746	--	--	-50,856	--	--	--	80,890	--
Conventional	--	--	548,262	594	-34,406	14,155	-790	--	217,485	311,910	8,609
Finished Aviation Gasoline	--	--	2,640	127	-896	--	-158	--	--	2,029	402
Kerosene-Type Jet Fuel	--	--	174,489	2,511	-108,456	--	-1,508	--	24,889	45,163	12,869
Kerosene	--	--	1,511	--	-1,550	--	-101	--	1,092	-1,030	182
Distillate Fuel Oil	--	--	924,484	47	-324,955	6,627	7,700	--	363,147	235,356	52,057
15 ppm sulfur and under	--	--	860,968	47	-313,072	6,627	9,957	--	311,141	233,472	46,493
Greater than 15 ppm to 500 ppm sulfur	--	--	28,815	--	-1,900	--	-923	--	27,408	430	1,154
Greater than 500 ppm sulfur	--	--	34,701	--	-9,983	--	-1,334	--	24,598	1,454	4,410
Residual Fuel Oil	--	--	18,851	37,652	5,649	--	-1,141	--	37,056	26,237	16,468
Less than 0.31 percent sulfur	--	--	7,845	1,423	-652	--	-164	--	NA	NA	1,469
0.31 to 1.00 percent sulfur	--	--	5,515	5,050	3,788	--	1,013	--	NA	NA	3,789
Greater than 1.00 percent sulfur	--	--	5,491	31,179	2,513	--	-1,990	--	NA	NA	11,210
Petrochemical Feedstocks	--	--	79,296	3,560	567	--	-388	--	--	83,811	2,193
Naphtha for Petro. Feed. Use	--	--	50,950	3,181	531	--	-247	--	--	54,909	1,475
Other Oils for Petro. Feed. Use	--	--	28,346	379	36	--	-141	--	--	28,902	718
Special Naphthas	--	--	10,192	4,358	-190	--	-71	--	--	14,431	899
Lubricants	--	--	39,798	9,143	-7,514	--	-2,025	--	24,180	19,272	7,671
Waxes	--	--	1,020	335	--	--	-36	--	387	1,004	240
Petroleum Coke	--	--	144,001	2,714	7,080	--	-909	--	134,597	20,108	4,146
Marketable	--	--	111,566	2,714	7,080	--	-909	--	134,597	-12,327	4,146
Catalyst	--	--	32,435	--	--	--	--	--	--	32,435	--
Asphalt and Road Oil	--	--	25,980	123	-2,739	--	34	--	5,784	17,546	4,824
Still Gas	--	--	111,135	--	--	--	--	--	--	111,135	--
Miscellaneous Products	--	--	16,279	--	-30	--	-56	--	252	16,053	353
<b>Total</b>	<b>3,591,893</b>	<b>11,568</b>	<b>2,362,030</b>	<b>741,529</b>	<b>-481,402</b>	<b>200,077</b>	<b>77,983</b>	<b>2,190,978</b>	<b>2,386,959</b>	<b>1,769,776</b>	<b>1,328,497</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b> .....	<b>7,609</b>	<b>--</b>	<b>--</b>	<b>1,207</b>	<b>1,110</b>	<b>461</b>	<b>306</b>	<b>7,601</b>	<b>2,481</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,118</b>	<b>0</b>	<b>337</b>	<b>--</b>	<b>657</b>	<b>--</b>	<b>-443</b>	<b>367</b>	<b>1,635</b>	<b>2,553</b>
Natural Gas Liquids .....	3,118	0	113	--	644	--	-377	367	1,635	2,250
Ethane .....	1,390	--	5	--	346	--	-47	--	127	1,660
Propane .....	938	--	154	--	173	--	-161	--	1,189	237
Normal Butane .....	182	--	-33	--	140	--	-101	177	303	-90
Isobutane .....	308	--	-12	--	26	--	-29	113	7	230
Natural Gasoline .....	300	0	--	--	-41	--	-39	77	8	213
Refinery Olefins .....	--	--	224	--	13	--	-66	--	--	303
Ethylene .....	--	--	0	--	--	--	0	--	--	0
Propylene .....	--	--	225	--	13	--	-4	--	--	242
Normal Butylene .....	--	--	0	--	--	--	-62	--	--	62
Isobutylene .....	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b> .....	<b>--</b>	<b>36</b>	<b>--</b>	<b>408</b>	<b>-1,830</b>	<b>201</b>	<b>68</b>	<b>-1,598</b>	<b>286</b>	<b>59</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	36	--	0	161	112	-5	262	53	0
Hydrogen .....	--	--	--	--	--	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	36	--	--	161	-4	-5	146	53	0
Fuel Ethanol .....	--	17	--	--	154	36	20	135	52	0
Renewable Fuels Except Fuel Ethanol .....	--	20	--	--	7	-40	-24	11	1	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	392	9	--	22	126	194	60
Motor Gasoline Blend Comp. (MGBC) .....	--	--	--	16	-2,001	90	51	-1,986	40	0
Reformulated .....	--	--	--	--	-365	193	17	-188	0	0
Conventional .....	--	--	--	16	-1,636	-104	34	-1,797	40	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>6,529</b>	<b>188</b>	<b>-1,258</b>	<b>-104</b>	<b>22</b>	<b>--</b>	<b>2,314</b>	<b>3,019</b>
Finished Motor Gasoline .....	--	--	2,167	--	-123	-126	-33	--	802	1,150
Reformulated .....	--	--	395	--	--	-196	--	--	--	200
Conventional .....	--	--	1,772	--	-123	70	-33	--	802	950
Finished Aviation Gasoline .....	--	--	7	--	-2	--	-3	--	--	8
Kerosene-Type Jet Fuel .....	--	--	545	--	-323	--	12	--	62	147
Kerosene .....	--	--	4	--	-5	--	-1	--	6	-6
Distillate Fuel Oil .....	--	--	2,520	--	-803	21	37	--	946	755
15 ppm sulfur and under .....	--	--	2,415	--	-767	21	39	--	851	779
Greater than 15 ppm to 500 ppm sulfur .....	--	--	30	--	-3	--	1	--	32	-6
Greater than 500 ppm sulfur .....	--	--	75	--	-33	--	-3	--	63	-18
Residual Fuel Oil .....	--	--	19	136	18	--	-1	--	95	79
Less than 0.31 percent sulfur .....	--	--	7	17	3	--	8	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	12	0	9	--	-5	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	0	119	6	--	-4	--	NA	NA
Petrochemical Feedstocks .....	--	--	250	8	--	--	5	--	--	253
Naphtha for Petro. Feed. Use .....	--	--	162	6	--	--	1	--	--	167
Other Oils for Petro. Feed. Use .....	--	--	88	2	--	--	4	--	--	85
Special Naphthas .....	--	--	34	8	-1	--	2	--	--	39
Lubricants .....	--	--	147	31	-27	--	17	--	76	59
Waxes .....	--	--	4	1	--	--	1	--	1	3
Petroleum Coke .....	--	--	389	3	12	--	-19	--	314	109
Marketable .....	--	--	293	3	12	--	-19	--	314	13
Catalyst .....	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil .....	--	--	74	0	-5	--	4	--	11	54
Still Gas .....	--	--	323	--	--	--	--	--	--	323
Miscellaneous Products .....	--	--	47	--	--	--	2	--	1	44
<b>Total</b> .....	<b>10,727</b>	<b>36</b>	<b>6,867</b>	<b>1,804</b>	<b>-1,321</b>	<b>558</b>	<b>-46</b>	<b>6,370</b>	<b>6,716</b>	<b>5,631</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b> .....	<b>7,718</b>	<b>--</b>	<b>--</b>	<b>1,547</b>	<b>996</b>	<b>475</b>	<b>159</b>	<b>7,660</b>	<b>2,918</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,004</b>	<b>0</b>	<b>395</b>	<b>1</b>	<b>728</b>	<b>--</b>	<b>113</b>	<b>295</b>	<b>1,468</b>	<b>2,252</b>
Natural Gas Liquids .....	3,004	0	199	0	716	--	116	295	1,468	2,039
Ethane .....	1,303	--	6	--	399	--	54	--	133	1,521
Propane .....	912	--	143	0	231	--	0	--	1,048	238
Normal Butane .....	188	--	62	--	104	--	17	102	280	-45
Isobutane .....	296	--	-12	--	28	--	3	114	5	190
Natural Gasoline .....	305	0	--	--	-46	--	43	78	3	135
Refinery Olefins .....	--	--	196	0	13	--	-3	--	--	213
Ethylene .....	--	--	0	--	--	--	0	--	--	0
Propylene .....	--	--	204	--	13	--	-2	--	--	218
Normal Butylene .....	--	--	-7	0	--	--	-2	--	--	-5
Isobutylene .....	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b> .....	<b>--</b>	<b>35</b>	<b>--</b>	<b>483</b>	<b>-1,766</b>	<b>212</b>	<b>-40</b>	<b>-1,414</b>	<b>324</b>	<b>94</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	35	--	1	166	116	-1	259	60	0
Hydrogen .....	--	--	--	--	--	116	--	116	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) .....	--	35	--	1	166	0	-1	143	60	0
Fuel Ethanol .....	--	15	--	--	164	13	0	134	59	0
Renewable Fuels Except Fuel Ethanol .....	--	20	--	1	2	-13	-1	9	1	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	440	7	--	-13	151	215	95
Motor Gasoline Blend Comp. (MGBC) .....	--	--	--	42	-1,940	96	-26	-1,825	50	0
Reformulated .....	--	--	--	--	-368	159	0	-210	2	0
Conventional .....	--	--	--	42	-1,572	-63	-26	-1,616	48	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	0	1	--	-1
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>6,656</b>	<b>183</b>	<b>-1,395</b>	<b>-90</b>	<b>2</b>	<b>--</b>	<b>2,415</b>	<b>2,937</b>
Finished Motor Gasoline .....	--	--	2,030	2	-103	-110	-2	--	649	1,173
Reformulated .....	--	--	393	--	--	-152	--	--	--	241
Conventional .....	--	--	1,637	2	-103	42	-2	--	649	931
Finished Aviation Gasoline .....	--	--	8	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel .....	--	--	521	7	-324	--	-5	--	74	135
Kerosene .....	--	--	5	--	-5	--	0	--	3	-3
Distillate Fuel Oil .....	--	--	2,760	0	-970	20	23	--	1,084	703
15 ppm sulfur and under .....	--	--	2,570	0	-935	20	30	--	929	697
Greater than 15 ppm to 500 ppm sulfur .....	--	--	86	--	-6	--	-3	--	82	1
Greater than 500 ppm sulfur .....	--	--	104	--	-30	--	-4	--	73	4
Residual Fuel Oil .....	--	--	56	112	17	--	-3	--	111	78
Less than 0.31 percent sulfur .....	--	--	23	4	-2	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	16	15	11	--	3	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	16	93	8	--	-6	--	NA	NA
Petrochemical Feedstocks .....	--	--	237	11	2	--	-1	--	--	250
Naphtha for Petro. Feed. Use .....	--	--	152	9	2	--	-1	--	--	164
Other Oils for Petro. Feed. Use .....	--	--	85	1	0	--	0	--	--	86
Special Naphthas .....	--	--	30	13	-1	--	0	--	--	43
Lubricants .....	--	--	119	27	-22	--	-6	--	72	58
Waxes .....	--	--	3	1	--	--	0	--	1	3
Petroleum Coke .....	--	--	430	8	21	--	-3	--	402	60
Marketable .....	--	--	333	8	21	--	-3	--	402	-37
Catalyst .....	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil .....	--	--	78	0	-8	--	0	--	17	52
Still Gas .....	--	--	332	--	--	--	--	--	--	332
Miscellaneous Products .....	--	--	49	--	0	--	0	--	1	48
<b>Total</b> .....	<b>10,722</b>	<b>35</b>	<b>7,051</b>	<b>2,214</b>	<b>-1,437</b>	<b>597</b>	<b>233</b>	<b>6,540</b>	<b>7,125</b>	<b>5,283</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>22,954</b>	<b>--</b>	<b>--</b>	<b>11,754</b>	<b>-17,056</b>	<b>-801</b>	<b>305</b>	<b>16,546</b>	<b>--</b>	<b>0</b>	<b>24,361</b>
<b>Hydrocarbon Gas Liquids</b>	<b>13,838</b>	<b>-4</b>	<b>106</b>	<b>594</b>	<b>-12,243</b>	<b>--</b>	<b>-565</b>	<b>568</b>	<b>66</b>	<b>2,222</b>	<b>7,447</b>
Natural Gas Liquids	13,838	-4	28	594	-12,243	--	-610	568	66	2,189	7,383
Ethane	3,410	--	--	--	-3,349	--	-237	--	--	298	943
Propane	5,252	--	221	444	-4,427	--	9	--	0	1,481	3,180
Normal Butane	2,100	--	-149	145	-1,808	--	-456	316	2	426	2,044
Isobutane	949	--	-44	5	-880	--	18	153	--	-141	442
Natural Gasoline	2,127	-4	--	--	-1,779	--	56	99	64	125	774
Refinery Olefins	--	--	78	--	--	--	45	--	--	33	64
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	19	--	--	--	-1	--	--	20	0
Normal Butylene	--	--	59	--	--	--	46	--	--	13	64
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>306</b>	<b>--</b>	<b>52</b>	<b>812</b>	<b>-968</b>	<b>714</b>	<b>-682</b>	<b>38</b>	<b>132</b>	<b>9,661</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	306	--	22	401	357	31	1,017	38	0	486
Hydrogen	--	--	--	--	--	211	--	211	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	306	--	22	401	146	31	806	38	0	486
Fuel Ethanol	--	306	--	--	401	105	43	731	38	0	426
Renewable Fuels Except Fuel Ethanol	--	--	--	22	--	41	-12	75	--	0	60
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-18	-114	0	132	2,740
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	30	411	-1,325	701	-1,585	0	0	6,435
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	30	411	-1,325	701	-1,585	0	0	6,435
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>16,980</b>	<b>134</b>	<b>-579</b>	<b>1,218</b>	<b>1,070</b>	<b>--</b>	<b>22</b>	<b>16,661</b>	<b>8,109</b>
Finished Motor Gasoline	--	--	7,907	--	-597	1,220	151	--	1	8,378	2,005
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	7,907	--	-597	1,220	151	--	1	8,378	2,005
Finished Aviation Gasoline	--	--	3	--	--	--	0	--	--	3	6
Kerosene-Type Jet Fuel	--	--	780	14	379	--	-69	--	--	1,242	607
Kerosene	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil	--	--	5,855	91	374	-2	1,030	--	0	5,288	3,988
15 ppm sulfur and under	--	--	5,771	91	374	-2	984	--	0	5,250	3,771
Greater than 15 ppm to 500 ppm sulfur	--	--	43	--	--	--	6	--	--	37	151
Greater than 500 ppm sulfur	--	--	41	--	--	--	40	--	--	1	66
Residual Fuel Oil	--	--	348	--	--	--	-2	--	10	340	179
Less than 0.31 percent sulfur	--	--	214	--	--	--	-3	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	20	--	--	--	3	--	NA	NA	6
Greater than 1.00 percent sulfur	--	--	114	--	--	--	-2	--	NA	NA	147
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	8	-8	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	637	--	-289	--	88	--	0	260	238
Marketable	--	--	437	--	-289	--	88	--	0	60	238
Catalyst	--	--	200	--	--	--	--	--	--	200	--
Asphalt and Road Oil	--	--	790	28	-446	--	-129	--	2	499	1,071
Still Gas	--	--	565	--	--	--	--	--	--	565	--
Miscellaneous Products	--	--	93	1	--	--	0	--	--	94	13
<b>Total</b>	<b>36,792</b>	<b>302</b>	<b>17,086</b>	<b>12,534</b>	<b>-29,066</b>	<b>-551</b>	<b>1,524</b>	<b>16,432</b>	<b>126</b>	<b>19,015</b>	<b>49,578</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>281,824</b>	<b>--</b>	<b>--</b>	<b>125,797</b>	<b>-203,898</b>	<b>-14,844</b>	<b>681</b>	<b>187,984</b>	<b>214</b>	<b>0</b>	<b>24,361</b>
<b>Hydrocarbon Gas Liquids</b>	<b>165,566</b>	<b>-78</b>	<b>3,087</b>	<b>3,985</b>	<b>-120,139</b>	<b>--</b>	<b>3,595</b>	<b>5,366</b>	<b>1,025</b>	<b>42,435</b>	<b>7,447</b>
Natural Gas Liquids	165,566	-78	2,345	3,985	-120,139	--	3,606	5,366	1,025	41,682	7,383
Ethane	47,273	--	--	--	-40,020	--	387	--	0	6,866	943
Propane	59,554	--	2,493	3,337	-37,577	--	1,487	--	4	26,316	3,180
Normal Butane	23,289	--	156	562	-16,146	--	1,159	2,072	434	4,196	2,044
Isobutane	11,126	--	-304	86	-8,887	--	169	1,887	--	-35	442
Natural Gasoline	24,324	-78	--	--	-17,509	--	404	1,407	586	4,340	774
Refinery Olefins	--	--	742	--	--	--	-11	--	--	753	64
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	119	--	--	--	0	--	--	119	0
Normal Butylene	--	--	623	--	--	--	-11	--	--	634	64
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>3,287</b>	<b>--</b>	<b>1,238</b>	<b>7,823</b>	<b>-9,243</b>	<b>-340</b>	<b>2,017</b>	<b>385</b>	<b>1,044</b>	<b>9,661</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	3,287	--	440	4,122	4,251	24	11,694	382	0	486
Hydrogen	--	--	--	--	--	2,244	--	2,244	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	3,287	--	440	4,122	2,007	24	9,450	382	0	486
Fuel Ethanol	--	3,287	--	--	3,786	2,094	26	8,839	302	0	426
Renewable Fuels Except Fuel Ethanol	--	0	--	440	336	-88	-2	611	80	0	60
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-441	-605	2	1,044	2,740
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	798	3,701	-13,493	77	-9,072	1	0	6,435
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	798	3,701	-13,493	77	-9,072	1	0	6,435
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>200,210</b>	<b>2,052</b>	<b>-12,611</b>	<b>11,566</b>	<b>-1,171</b>	<b>--</b>	<b>270</b>	<b>202,118</b>	<b>8,109</b>
Finished Motor Gasoline	--	--	94,198	26	-6,602	11,399	84	--	9	98,928	2,005
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	94,198	26	-6,602	11,399	84	--	9	98,928	2,005
Finished Aviation Gasoline	--	--	52	3	--	--	-2	--	--	57	6
Kerosene-Type Jet Fuel	--	--	7,807	178	4,417	--	-102	--	--	12,504	607
Kerosene	--	--	4	--	--	--	1	--	--	3	2
Distillate Fuel Oil	--	--	65,563	1,533	-1,224	167	-660	--	0	66,699	3,988
15 ppm sulfur and under	--	--	64,783	1,532	-1,274	167	-652	--	0	65,860	3,771
Greater than 15 ppm to 500 ppm sulfur	--	--	801	--	50	--	13	--	--	838	151
Greater than 500 ppm sulfur	--	--	-21	1	--	--	-21	--	--	1	66
Residual Fuel Oil	--	--	3,751	--	--	--	-78	--	118	3,711	179
Less than 0.31 percent sulfur	--	--	2,086	--	--	--	-7	--	NA	NA	26
0.31 to 1.00 percent sulfur	--	--	214	--	--	--	-11	--	NA	NA	6
Greater than 1.00 percent sulfur	--	--	1,451	--	--	--	-60	--	NA	NA	147
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	101	-101	--
Waxes	--	--	--	--	--	--	--	--	2	-2	--
Petroleum Coke	--	--	7,389	--	-2,618	--	49	--	1	4,721	238
Marketable	--	--	5,123	--	-2,618	--	49	--	1	2,455	238
Catalyst	--	--	2,266	--	--	--	--	--	--	2,266	--
Asphalt and Road Oil	--	--	13,401	301	-6,583	--	-459	--	38	7,540	1,071
Still Gas	--	--	6,854	--	--	--	--	--	--	6,854	--
Miscellaneous Products	--	--	1,191	11	--	--	-4	--	1	1,205	13
<b>Total</b>	<b>447,390</b>	<b>3,209</b>	<b>203,297</b>	<b>133,072</b>	<b>-328,824</b>	<b>-12,521</b>	<b>2,765</b>	<b>195,367</b>	<b>1,894</b>	<b>245,597</b>	<b>49,578</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>765</b>	<b>--</b>	<b>--</b>	<b>392</b>	<b>-569</b>	<b>-27</b>	<b>10</b>	<b>552</b>	<b>-</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>461</b>	<b>0</b>	<b>4</b>	<b>20</b>	<b>-408</b>	<b>--</b>	<b>-19</b>	<b>19</b>	<b>2</b>	<b>74</b>
Natural Gas Liquids	461	0	1	20	-408	--	-20	19	2	73
Ethane	114	--	--	--	-112	--	-8	--	--	10
Propane	175	--	7	15	-148	--	0	--	0	49
Normal Butane	70	--	-5	5	-60	--	-15	11	0	14
Isobutane	32	--	-1	0	-29	--	1	5	--	-5
Natural Gasoline	71	0	--	--	-59	--	2	3	2	4
Refinery Olefins	--	--	3	--	--	--	2	--	--	1
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1	--	--	--	0	--	--	1
Normal Butylene	--	--	2	--	--	--	2	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>2</b>	<b>27</b>	<b>-32</b>	<b>24</b>	<b>-23</b>	<b>1</b>	<b>4</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	13	12	1	34	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	13	5	1	27	1	0
Fuel Ethanol	--	10	--	--	13	4	1	24	1	0
Renewable Fuels Except Fuel Ethanol	--	--	--	1	--	1	0	3	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-4	0	4
Motor Gasoline Blend Comp. (MGBC)	--	--	--	1	14	-44	23	-53	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	1	14	-44	23	-53	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>566</b>	<b>4</b>	<b>-19</b>	<b>41</b>	<b>36</b>	<b>--</b>	<b>1</b>	<b>555</b>
Finished Motor Gasoline	--	--	264	--	-20	41	5	--	0	279
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	264	--	-20	41	5	--	0	279
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	26	0	13	--	-2	--	--	41
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	195	3	12	0	34	--	0	176
15 ppm sulfur and under	--	--	192	3	12	0	33	--	0	175
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Residual Fuel Oil	--	--	12	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	21	--	-10	--	3	--	0	9
Marketable	--	--	15	--	-10	--	3	--	0	2
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	26	1	-15	--	-4	--	0	17
Still Gas	--	--	19	--	--	--	--	--	--	19
Miscellaneous Products	--	--	3	0	--	--	0	--	--	3
<b>Total</b>	<b>1,226</b>	<b>10</b>	<b>570</b>	<b>418</b>	<b>-969</b>	<b>-18</b>	<b>51</b>	<b>548</b>	<b>4</b>	<b>634</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>841</b>	<b>--</b>	<b>--</b>	<b>376</b>	<b>-609</b>	<b>-44</b>	<b>2</b>	<b>561</b>	<b>1</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>494</b>	<b>0</b>	<b>9</b>	<b>12</b>	<b>-359</b>	<b>--</b>	<b>11</b>	<b>16</b>	<b>3</b>	<b>127</b>
Natural Gas Liquids	494	0	7	12	-359	--	11	16	3	124
Ethane	141	--	--	--	-119	--	1	--	0	20
Propane	178	--	7	10	-112	--	4	--	0	79
Normal Butane	70	--	0	2	-48	--	3	6	1	13
Isobutane	33	--	-1	0	-27	--	1	6	--	0
Natural Gasoline	73	0	--	--	-52	--	1	4	2	13
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>4</b>	<b>23</b>	<b>-28</b>	<b>-1</b>	<b>6</b>	<b>1</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	12	13	0	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	12	6	0	28	1	0
Fuel Ethanol	--	10	--	--	11	6	0	26	1	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-1	-2	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	11	-40	0	-27	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	2	11	-40	0	-27	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>598</b>	<b>6</b>	<b>-38</b>	<b>35</b>	<b>-3</b>	<b>--</b>	<b>1</b>	<b>603</b>
Finished Motor Gasoline	--	--	281	0	-20	34	0	--	0	295
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	281	0	-20	34	0	--	0	295
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	23	1	13	--	0	--	--	37
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	196	5	-4	0	-2	--	0	199
15 ppm sulfur and under	--	--	193	5	-4	0	-2	--	0	197
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	0	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	22	--	-8	--	0	--	0	14
Marketable	--	--	15	--	-8	--	0	--	0	7
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	40	1	-20	--	-1	--	0	23
Still Gas	--	--	20	--	--	--	--	--	--	20
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
<b>Total</b>	<b>1,335</b>	<b>10</b>	<b>607</b>	<b>397</b>	<b>-982</b>	<b>-37</b>	<b>8</b>	<b>583</b>	<b>6</b>	<b>733</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>25,389</b>	<b>--</b>	<b>--</b>	<b>23,811</b>	<b>3,472</b>	<b>1,200</b>	<b>-4,479</b>	<b>56,325</b>	<b>2,026</b>	<b>0</b>	<b>46,707</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,819</b>	<b>-6</b>	<b>-570</b>	<b>1,454</b>	<b>1,158</b>	<b>--</b>	<b>-639</b>	<b>2,348</b>	<b>846</b>	<b>1,300</b>	<b>5,750</b>
Natural Gas Liquids	1,819	-6	-691	1,454	1,158	--	-588	2,348	846	1,128	5,735
Ethane	--	--	--	--	--	--	--	--	0	0	--
Propane	239	--	806	1,002	368	--	-296	--	542	2,169	2,735
Normal Butane	468	--	-1,471	429	594	--	-269	1,048	249	-1,008	2,557
Isobutane	217	--	-26	23	196	--	-8	468	0	-50	398
Natural Gasoline	895	-6	--	--	--	--	-15	832	55	17	45
Refinery Olefins	--	--	121	--	--	--	-51	--	--	172	15
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	111	--	--	--	0	--	--	111	9
Normal Butylene	--	--	10	--	--	--	-51	--	--	61	6
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>494</b>	<b>--</b>	<b>2,659</b>	<b>8,566</b>	<b>-415</b>	<b>2,281</b>	<b>8,007</b>	<b>436</b>	<b>579</b>	<b>49,592</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	494	--	1,194	3,955	522	59	5,942	164	0	4,356
Hydrogen	--	--	--	--	--	1,257	--	1,257	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	494	--	1,194	3,955	-735	59	4,685	164	0	4,356
Fuel Ethanol	--	284	--	441	3,487	-26	7	4,036	143	0	2,899
Renewable Fuels Except Fuel Ethanol	--	210	--	753	468	-709	52	649	21	0	1,457
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	718	--	--	321	-220	38	579	17,243
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	747	4,611	-937	1,901	2,285	235	0	27,993
Reformulated	--	0	--	--	2,057	330	1,780	603	4	0	14,822
Conventional	--	--	--	747	2,554	-1,267	121	1,682	231	0	13,171
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>71,642</b>	<b>3,758</b>	<b>2,738</b>	<b>1,207</b>	<b>-345</b>	<b>--</b>	<b>6,165</b>	<b>73,525</b>	<b>31,804</b>
Finished Motor Gasoline	--	--	39,056	492	432	963	-229	--	682	40,490	2,746
Reformulated	--	--	27,814	--	--	-130	0	--	--	27,684	18
Conventional	--	--	11,242	492	432	1,093	-229	--	682	12,806	2,728
Finished Aviation Gasoline	--	--	1	--	--	--	-29	--	--	30	253
Kerosene-Type Jet Fuel	--	--	7,775	2,813	240	--	-502	--	466	10,864	8,184
Kerosene	--	--	17	--	--	--	2	--	0	15	11
Distillate Fuel Oil	--	--	15,324	241	1,649	244	586	--	931	15,942	12,197
15 ppm sulfur and under	--	--	14,957	241	1,649	244	716	--	870	15,505	11,286
Greater than 15 ppm to 500 ppm sulfur	--	--	30	--	--	--	-23	--	54	-1	309
Greater than 500 ppm sulfur	--	--	337	--	--	--	-107	--	6	438	602
Residual Fuel Oil	--	--	1,779	135	--	--	-155	--	702	1,367	4,542
Less than 0.31 percent sulfur	--	--	174	--	--	--	-60	--	NA	NA	755
0.31 to 1.00 percent sulfur	--	--	641	62	--	--	200	--	NA	NA	622
Greater than 1.00 percent sulfur	--	--	964	73	--	--	-295	--	NA	NA	3,165
Petrochemical Feedstocks	--	--	--	37	--	--	0	--	--	37	2
Naphtha for Petro. Feed. Use	--	--	--	37	--	--	0	--	--	37	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	28	--	--	--	7	--	--	21	53
Lubricants	--	--	391	4	--	--	-81	--	322	154	660
Waxes	--	--	--	6	--	--	--	--	7	-1	--
Petroleum Coke	--	--	3,501	--	-25	--	13	--	3,023	440	1,259
Marketable	--	--	2,775	--	-25	--	13	--	3,023	-286	1,259
Catalyst	--	--	726	--	--	--	--	--	--	726	--
Asphalt and Road Oil	--	--	704	30	442	--	39	--	32	1,105	1,797
Still Gas	--	--	2,729	--	--	--	--	--	--	2,729	--
Miscellaneous Products	--	--	337	--	--	--	4	--	0	333	100
<b>Total</b>	<b>27,208</b>	<b>488</b>	<b>71,072</b>	<b>31,682</b>	<b>15,934</b>	<b>1,992</b>	<b>-3,182</b>	<b>66,680</b>	<b>9,473</b>	<b>75,404</b>	<b>133,853</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>286,769</b>	<b>--</b>	<b>--</b>	<b>309,360</b>	<b>50,881</b>	<b>13,457</b>	<b>-5,210</b>	<b>649,042</b>	<b>16,635</b>	<b>0</b>	<b>46,707</b>
<b>Hydrocarbon Gas Liquids</b>	<b>19,342</b>	<b>-57</b>	<b>11,180</b>	<b>14,229</b>	<b>11,695</b>	<b>--</b>	<b>1,636</b>	<b>24,087</b>	<b>16,698</b>	<b>13,968</b>	<b>5,750</b>
Natural Gas Liquids	19,342	-57	9,713	14,168	11,695	--	1,641	24,087	16,698	12,435	5,735
Ethane	8	--	--	--	--	--	--	--	1	7	--
Propane	2,882	--	10,039	9,406	4,089	--	1,062	--	10,550	14,804	2,735
Normal Butane	4,303	--	-1,138	4,559	5,374	--	565	7,637	5,958	-1,062	2,557
Isobutane	2,938	--	812	203	2,232	--	10	8,066	7	-1,898	398
Natural Gasoline	9,211	-57	--	--	--	--	4	8,384	183	583	45
Refinery Olefins	--	--	1,467	61	--	--	-5	--	--	1,533	15
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,569	--	--	--	-5	--	--	1,574	9
Normal Butylene	--	--	-102	61	--	--	0	--	--	-41	6
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	<b>--</b>	<b>6,009</b>	<b>--</b>	<b>30,305</b>	<b>90,462</b>	<b>-10,701</b>	<b>-4,698</b>	<b>111,650</b>	<b>6,628</b>	<b>2,495</b>	<b>49,592</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	6,009	--	9,595	44,283	8,278	-57	65,805	2,417	0	4,356
Hydrogen	--	--	--	--	--	14,084	--	14,084	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	6,009	--	9,595	44,283	-5,806	-57	51,721	2,417	0	4,356
Fuel Ethanol	--	3,216	--	3,167	38,235	2,093	38	44,859	1,814	0	2,899
Renewable Fuels Except Fuel Ethanol	--	2,793	--	6,428	6,049	-7,899	-95	6,862	604	0	1,457
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	13,690	-175	--	-2,179	11,121	2,078	2,495	17,243
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	7,020	46,354	-18,980	-2,462	34,724	2,132	0	27,993
Reformulated	--	0	--	1,120	21,478	-2,048	-299	20,827	22	0	14,822
Conventional	--	--	--	5,900	24,876	-16,932	-2,163	13,897	2,110	0	13,171
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>822,575</b>	<b>48,465</b>	<b>24,400</b>	<b>19,674</b>	<b>-4,954</b>	<b>--</b>	<b>91,250</b>	<b>828,818</b>	<b>31,804</b>
Finished Motor Gasoline	--	--	444,351	5,887	4,585	16,886	45	--	16,117	455,548	2,746
Reformulated	--	--	308,136	--	--	3,316	5	--	--	311,447	18
Conventional	--	--	136,215	5,887	4,585	13,571	40	--	16,117	144,101	2,728
Finished Aviation Gasoline	--	--	444	14	--	--	69	--	--	389	253
Kerosene-Type Jet Fuel	--	--	86,014	32,003	1,551	--	-1,571	--	4,533	116,606	8,184
Kerosene	--	--	107	40	--	--	-33	--	275	-95	11
Distillate Fuel Oil	--	--	177,580	5,466	12,089	2,788	-2,529	--	28,039	172,414	12,197
15 ppm sulfur and under	--	--	169,206	5,151	12,189	2,788	-2,262	--	22,255	169,341	11,286
Greater than 15 ppm to 500 ppm sulfur	--	--	2,987	308	-100	--	33	--	2,072	1,090	309
Greater than 500 ppm sulfur	--	--	5,387	7	--	--	-300	--	3,712	1,982	602
Residual Fuel Oil	--	--	22,046	3,471	--	--	422	--	6,536	18,559	4,542
Less than 0.31 percent sulfur	--	--	494	--	--	--	494	--	NA	NA	755
0.31 to 1.00 percent sulfur	--	--	5,443	870	--	--	325	--	NA	NA	622
Greater than 1.00 percent sulfur	--	--	16,109	2,601	--	--	-389	--	NA	NA	3,165
Petrochemical Feedstocks	--	--	2	279	--	--	-6	--	--	287	2
Naphtha for Petro. Feed. Use	--	--	2	279	--	--	-6	--	--	287	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	373	--	--	--	7	--	--	366	53
Lubricants	--	--	4,876	199	-71	--	-198	--	3,775	1,427	660
Waxes	--	--	--	290	--	--	--	--	54	236	--
Petroleum Coke	--	--	40,871	119	925	--	-480	--	31,490	10,905	1,259
Marketable	--	--	31,306	119	925	--	-480	--	31,490	1,340	1,259
Catalyst	--	--	9,565	--	--	--	--	--	--	9,565	--
Asphalt and Road Oil	--	--	8,278	697	5,321	--	-671	--	431	14,537	1,797
Still Gas	--	--	33,651	--	--	--	--	--	--	33,651	--
Miscellaneous Products	--	--	3,982	--	--	--	-9	--	2	3,989	100
<b>Total</b>	<b>306,111</b>	<b>5,952</b>	<b>833,755</b>	<b>402,359</b>	<b>177,439</b>	<b>22,430</b>	<b>-13,226</b>	<b>784,779</b>	<b>131,211</b>	<b>845,282</b>	<b>133,853</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogas, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>846</b>	<b>--</b>	<b>--</b>	<b>794</b>	<b>116</b>	<b>40</b>	<b>-149</b>	<b>1,878</b>	<b>68</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>61</b>	<b>0</b>	<b>-19</b>	<b>48</b>	<b>39</b>	<b>--</b>	<b>-21</b>	<b>78</b>	<b>28</b>	<b>43</b>
Natural Gas Liquids	61	0	-23	48	39	--	-20	78	28	38
Ethane	--	--	--	--	--	--	--	--	0	0
Propane	8	--	27	33	12	--	-10	--	18	72
Normal Butane	16	--	-49	14	20	--	-9	35	8	-34
Isobutane	7	--	-1	1	7	--	0	16	0	-2
Natural Gasoline	30	0	--	--	--	--	-1	28	2	1
Refinery Olefins	--	--	4	--	--	--	-2	--	--	6
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	--	--	--	0	--	--	4
Normal Butylene	--	--	0	--	--	--	-2	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>16</b>	<b>--</b>	<b>89</b>	<b>286</b>	<b>-14</b>	<b>76</b>	<b>267</b>	<b>15</b>	<b>19</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	16	--	40	132	17	2	198	5	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	16	--	40	132	-24	2	156	5	0
Fuel Ethanol	--	9	--	15	116	-1	0	135	5	0
Renewable Fuels Except Fuel Ethanol	--	7	--	25	16	-24	2	22	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	24	--	--	11	-7	1	19
Motor Gasoline Blend Comp. (MGBC)	--	0	--	25	154	-31	63	76	8	0
Reformulated	--	0	--	--	69	11	59	20	0	0
Conventional	--	--	--	25	85	-42	4	56	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,388</b>	<b>125</b>	<b>91</b>	<b>40</b>	<b>-12</b>	<b>--</b>	<b>206</b>	<b>2,451</b>
Finished Motor Gasoline	--	--	1,302	16	14	32	-8	--	23	1,350
Reformulated	--	--	927	--	--	-4	0	--	--	923
Conventional	--	--	375	16	14	36	-8	--	23	427
Finished Aviation Gasoline	--	--	0	--	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	259	94	8	--	-17	--	16	362
Kerosene	--	--	1	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	511	8	55	8	20	--	31	531
15 ppm sulfur and under	--	--	499	8	55	8	24	--	29	517
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	-1	--	2	0
Greater than 500 ppm sulfur	--	--	11	--	--	--	-4	--	0	15
Residual Fuel Oil	--	--	59	5	--	--	-5	--	23	46
Less than 0.31 percent sulfur	--	--	6	--	--	--	-2	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	21	2	--	--	7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	32	2	--	--	-10	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	13	0	--	--	-3	--	11	5
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	117	--	-1	--	0	--	101	15
Marketable	--	--	93	--	-1	--	0	--	101	-10
Catalyst	--	--	24	--	--	--	--	--	--	24
Asphalt and Road Oil	--	--	23	1	15	--	1	--	1	37
Still Gas	--	--	91	--	--	--	--	--	--	91
Miscellaneous Products	--	--	11	--	--	--	0	--	0	11
<b>Total</b>	<b>907</b>	<b>16</b>	<b>2,369</b>	<b>1,056</b>	<b>531</b>	<b>66</b>	<b>-106</b>	<b>2,223</b>	<b>316</b>	<b>2,513</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-November 2020**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>856</b>	<b>--</b>	<b>--</b>	<b>923</b>	<b>152</b>	<b>40</b>	<b>-16</b>	<b>1,937</b>	<b>50</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>58</b>	<b>0</b>	<b>33</b>	<b>42</b>	<b>35</b>	<b>--</b>	<b>5</b>	<b>72</b>	<b>50</b>	<b>42</b>
Natural Gas Liquids	58	0	29	42	35	--	5	72	50	37
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	30	28	12	--	3	--	31	44
Normal Butane	13	--	-3	14	16	--	2	23	18	-3
Isobutane	9	--	2	1	7	--	0	24	0	-6
Natural Gasoline	27	0	--	--	--	--	0	25	1	2
Refinery Olefins	--	--	4	0	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>18</b>	<b>--</b>	<b>90</b>	<b>270</b>	<b>-32</b>	<b>-14</b>	<b>333</b>	<b>20</b>	<b>7</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	18	--	29	132	25	0	196	7	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18	--	29	132	-17	0	154	7	0
Fuel Ethanol	--	10	--	9	114	6	0	134	5	0
Renewable Fuels Except Fuel Ethanol	--	8	--	19	18	-24	0	20	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	41	-1	--	-7	33	6	7
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	21	138	-57	-7	104	6	0
Reformulated	--	0	--	3	64	-6	-1	62	0	0
Conventional	--	--	--	18	74	-51	-6	41	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>--</b>	<b>2,455</b>	<b>145</b>	<b>73</b>	<b>59</b>	<b>-15</b>	<b>--</b>	<b>272</b>	<b>2,474</b>
Finished Motor Gasoline	--	--	1,326	18	14	50	0	--	48	1,360
Reformulated	--	--	920	--	--	10	0	--	--	930
Conventional	--	--	407	18	14	41	0	--	48	430
Finished Aviation Gasoline	--	--	1	0	--	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	257	96	5	--	-5	--	14	348
Kerosene	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	530	16	36	8	-8	--	84	515
15 ppm sulfur and under	--	--	505	15	36	8	-7	--	66	505
Greater than 15 ppm to 500 ppm sulfur	--	--	9	1	0	--	0	--	6	3
Greater than 500 ppm sulfur	--	--	16	0	--	--	-1	--	11	6
Residual Fuel Oil	--	--	66	10	--	--	1	--	20	55
Less than 0.31 percent sulfur	--	--	1	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	16	3	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	48	8	--	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	15	1	0	--	-1	--	11	4
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	122	0	3	--	-1	--	94	33
Marketable	--	--	93	0	3	--	-1	--	94	4
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	25	2	16	--	-2	--	1	43
Still Gas	--	--	100	--	--	--	--	--	--	100
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
<b>Total</b>	<b>914</b>	<b>18</b>	<b>2,489</b>	<b>1,201</b>	<b>530</b>	<b>67</b>	<b>-39</b>	<b>2,343</b>	<b>392</b>	<b>2,523</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, November 2020**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	2,180	54,932	228,265	22,954	25,389	333,721	11,124
Alaskan .....	--	--	--	--	--	13,919	464
Lower 48 States .....	--	--	--	--	--	319,801	10,660
Imports (PAD District of Entry) .....	13,543	81,778	36,221	11,754	23,811	167,107	5,570
Commercial .....	13,543	81,778	36,221	11,754	23,811	167,107	5,570
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	3,516	-23,234	33,302	-17,056	3,472	--	--
Adjustments <sup>1</sup> .....	-2,100	-1,131	13,843	-801	1,200	11,011	367
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-594	1,937	9,187	305	-4,479	6,356	212
Commercial .....	--	--	9,658	--	--	6,827	228
SPR .....	--	--	-471	--	--	-471	-16
Refinery Inputs .....	17,734	105,090	228,018	16,546	56,325	423,713	14,124
Exports .....	--	5,318	74,426	--	2,026	81,770	2,726
<b>Ending Stocks</b>							
Total .....	9,916	148,348	909,173	24,361	46,707	1,138,505	--
Commercial .....	9,916	148,348	271,088	24,361	46,707	500,420	--
Refinery .....	6,138	13,892	46,426	2,333	18,547	87,336	--
Tank Farms and Pipelines .....	3,778	134,456	224,662	22,028	24,977	409,901	--
Cushing, Oklahoma .....	--	59,521	--	--	--	59,521	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	3,183	3,183	--
SPR .....	--	--	638,085	--	--	638,085	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	56.0	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	31.5	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	--	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	13,543	81,778	36,221	11,754	23,811	167,107	5,570
PAD District of Processing .....	13,941	72,621	47,492	8,867	24,186	167,107	5,570

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 26. Production of Crude Oil by PAD District and State, November 2020**  
(Thousand Barrels)

PAD District and State	November 2020		January-November 2020	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>2,180</b>	<b>73</b>	<b>23,456</b>	<b>70</b>
Florida .....	117	4	1,237	4
New York .....	23	1	251	1
Pennsylvania .....	409	14	4,975	15
Virginia .....	0	0	3	0
West Virginia .....	1,632	54	16,991	51
<b>PAD District 2</b> .....	<b>54,932</b>	<b>1,831</b>	<b>617,840</b>	<b>1,844</b>
Illinois .....	566	19	6,527	19
Indiana .....	114	4	1,273	4
Kansas .....	2,191	73	25,647	77
Kentucky .....	78	3	1,986	6
Michigan .....	348	12	3,861	12
Missouri .....	5	0	71	0
Nebraska .....	151	5	1,539	5
North Dakota .....	36,152	1,205	395,490	1,181
Ohio .....	1,753	58	22,211	66
Oklahoma .....	13,470	449	158,130	472
South Dakota .....	89	3	963	3
Tennessee .....	15	1	143	0
<b>PAD District 3</b> .....	<b>228,265</b>	<b>7,609</b>	<b>2,585,599</b>	<b>7,718</b>
Alabama .....	292	10	3,618	11
Arkansas .....	343	11	3,836	11
Louisiana .....	2,598	87	31,896	95
Mississippi .....	1,240	41	13,144	39
New Mexico .....	33,193	1,106	345,827	1,032
Texas .....	139,577	4,653	1,637,615	4,888
Federal Offshore PAD District 3 .....	51,022	1,701	549,664	1,641
<b>PAD District 4</b> .....	<b>22,954</b>	<b>765</b>	<b>281,824</b>	<b>841</b>
Colorado .....	11,697	390	153,182	457
Idaho .....	0	0	1	0
Montana .....	1,467	49	17,675	53
Utah .....	2,665	89	29,210	87
Wyoming .....	7,124	237	81,757	244
<b>PAD District 5</b> .....	<b>25,389</b>	<b>846</b>	<b>286,769</b>	<b>856</b>
Alaska .....	13,919	464	149,500	446
South Alaska .....	328	11	4,073	12
North Slope .....	13,591	453	145,427	434
Arizona .....	0	0	5	0
California .....	11,109	370	132,928	397
Nevada .....	16	1	182	1
Federal Offshore PAD District 5 .....	345	11	4,155	12
<b>U.S. Total</b> .....	<b>333,721</b>	<b>11,124</b>	<b>3,795,489</b>	<b>11,330</b>

- = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas.

Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.



**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b>	<b>11</b>	<b>19,000</b>	<b>19,011</b>	<b>5,227</b>	<b>10,154</b>	<b>16,100</b>	<b>31,481</b>
Natural Gas Liquids	11	19,000	19,011	5,227	10,154	16,100	31,481
Ethane	—	7,367	7,367	1,939	1,988	7,057	10,984
Propane	4	6,698	6,702	2,068	4,133	4,926	11,127
Normal Butane	7	2,119	2,126	508	1,791	1,660	3,959
Isobutane	—	893	893	374	581	832	1,787
Natural Gasoline	—	1,923	1,923	338	1,661	1,625	3,624

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b>	<b>74,570</b>	<b>4,202</b>	<b>5,126</b>	<b>490</b>	<b>9,153</b>	<b>93,541</b>	<b>13,838</b>	<b>1,819</b>	<b>159,690</b>
Natural Gas Liquids	74,570	4,202	5,126	490	9,153	93,541	13,838	1,819	159,690
Ethane	33,821	2,041	2,049	83	3,692	41,686	3,410	—	63,447
Propane	22,176	1,216	1,693	151	2,912	28,148	5,252	239	51,468
Normal Butane	7,099	-3,232	585	65	953	5,470	2,100	468	14,123
Isobutane	4,381	3,855	319	54	616	9,225	949	217	13,071
Natural Gasoline	7,093	322	480	137	980	9,012	2,127	895	17,581

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b>	<b>5</b>	<b>1,665</b>	<b>1,670</b>	<b>878</b>	<b>131</b>	<b>439</b>	<b>1,448</b>
Natural Gas Liquids	5	1,665	1,670	878	131	439	1,448
Ethane	—	144	144	32	2	131	165
Propane	2	561	563	547	51	127	725
Normal Butane	3	268	271	47	29	61	137
Isobutane	—	100	100	114	7	55	176
Natural Gasoline	—	592	592	138	42	65	245

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b>	<b>180</b>	<b>486</b>	<b>1,044</b>	<b>7</b>	<b>1</b>	<b>1,718</b>	<b>210</b>	<b>440</b>	<b>5,486</b>
Natural Gas Liquids	180	486	1,044	7	1	1,718	210	440	5,486
Ethane	48	173	—	—	—	221	4	—	534
Propane	37	129	18	3	—	187	91	133	1,699
Normal Butane	13	38	189	3	—	243	43	241	935
Isobutane	44	10	85	—	—	139	16	24	455
Natural Gasoline	38	136	752	1	1	928	56	42	1,863

— = No Data Reported.  
Note: Refer to Appendix A for Refining District descriptions.  
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>15,035</b>	<b>2,699</b>	<b>17,734</b>	<b>66,859</b>	<b>13,531</b>	<b>24,700</b>	<b>105,090</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,534</b>	<b>—</b>	<b>1,534</b>	<b>2,278</b>	<b>162</b>	<b>1,208</b>	<b>3,648</b>
Natural Gas Liquids	1,534	—	1,534	2,278	162	1,208	3,648
Normal Butane	1,054	—	1,054	850	115	409	1,374
Isobutane	245	—	245	1,027	43	464	1,534
Natural Gasoline	235	—	235	401	4	335	740
<b>Other Liquids</b>	<b>69,773</b>	<b>5,041</b>	<b>74,814</b>	<b>7,065</b>	<b>1,785</b>	<b>1,255</b>	<b>10,105</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	8,516	680	9,196	5,146	1,261	1,622	8,029
Hydrogen	103	9	112	697	287	187	1,171
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	8,413	671	9,084	4,424	974	1,435	6,833
Fuel Ethanol	8,190	612	8,802	4,230	918	1,366	6,514
Renewable Diesel Fuel <sup>2</sup>	223	59	282	194	56	69	319
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	25	—	—	25
Unfinished Oils (net)	2,978	-119	2,859	1,264	58	-240	1,082
Naphthas and Lighter	24	-61	-37	216	13	-3	226
Kerosene and Light Gas Oils	301	—	301	345	24	41	410
Heavy Gas Oils	2,250	-54	2,196	707	21	-157	571
Residuum	403	-4	399	-4	—	-121	-125
Motor Gasoline Blend.Comp. (MGBC)(net)	58,279	4,480	62,759	655	466	-127	994
Reformulated - RBOB	14,123	—	14,123	-1,857	743	783	-331
Conventional	44,156	4,480	48,636	2,512	-277	-910	1,325
CBOB	38,801	4,488	43,289	2,917	-417	-848	1,652
GTAB	2,885	—	2,885	—	—	—	—
Other	2,470	-8	2,462	-405	140	-62	-327
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
<b>Total Input</b>	<b>86,342</b>	<b>7,740</b>	<b>94,082</b>	<b>76,202</b>	<b>15,478</b>	<b>27,163</b>	<b>118,843</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>19,871</b>	<b>123,877</b>	<b>75,122</b>	<b>6,490</b>	<b>2,658</b>	<b>228,018</b>	<b>16,546</b>	<b>56,325</b>	<b>423,713</b>
<b>Hydrocarbon Gas Liquids</b>	<b>927</b>	<b>6,350</b>	<b>3,525</b>	<b>86</b>	<b>134</b>	<b>11,022</b>	<b>568</b>	<b>2,348</b>	<b>19,120</b>
Natural Gas Liquids	927	6,350	3,525	86	134	11,022	568	2,348	19,120
Normal Butane	554	2,695	2,008	67	—	5,324	316	1,048	9,116
Isobutane	244	2,074	920	13	134	3,385	153	468	5,785
Natural Gasoline	129	1,581	597	6	—	2,313	99	832	4,219
<b>Other Liquids</b>	<b>6,608</b>	<b>-41,305</b>	<b>-19,657</b>	<b>6,816</b>	<b>-408</b>	<b>-47,946</b>	<b>-682</b>	<b>8,007</b>	<b>44,298</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,902	2,815	1,923	1,032	174	7,846	1,017	5,942	32,030
Hydrogen	13	1,990	1,378	44	41	3,466	211	1,257	6,217
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,889	825	545	988	133	4,380	806	4,685	25,788
Fuel Ethanol	1,816	743	450	931	113	4,053	731	4,036	24,136
Renewable Diesel Fuel <sup>2</sup>	73	82	25	57	20	257	28	640	1,526
Other Renewable Fuels	—	—	70	—	—	70	47	9	126
Other Hydrocarbons	—	—	—	—	—	—	—	—	25
Unfinished Oils (net)	42	-2,715	6,398	6	35	3,766	-114	-220	7,373
Naphthas and Lighter	-59	-4,469	-232	-9	19	-4,750	-56	65	-4,552
Kerosene and Light Gas Oils	175	-968	-67	55	-31	-836	-183	-425	-733
Heavy Gas Oils	-9	570	2,630	43	47	3,281	142	356	6,546
Residuum	-65	2,152	4,067	-83	—	6,071	-17	-216	6,112
Motor Gasoline Blend.Comp. (MGBC)(net)	4,662	-41,405	-27,983	5,778	-617	-59,565	-1,585	2,285	4,888
Reformulated - RBOB	4,974	-8,454	-1,444	7	-732	-5,649	—	603	8,746
Conventional	-312	-32,951	-26,539	5,771	115	-53,916	-1,585	1,682	-3,858
CBOB	-33	-32,817	-27,683	5,786	81	-54,666	-1,444	1,390	-9,779
GTAB	—	—	—	—	—	—	—	—	2,885
Other	-279	-134	1,144	-15	34	750	-141	292	3,036
Aviation Gasoline Blend. Comp. (net)	2	—	5	—	—	7	—	—	7
<b>Total Input</b>	<b>27,406</b>	<b>88,922</b>	<b>58,990</b>	<b>13,392</b>	<b>2,384</b>	<b>191,094</b>	<b>16,432</b>	<b>66,680</b>	<b>487,131</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	190	-24	166	526	-335	-10	181
Natural Gas Liquids .....	-353	-24	-377	-276	-501	-155	-932
Ethane .....	-	-	-	-	-	-	-
Propane .....	374	20	394	1,503	275	438	2,216
Normal Butane .....	-566	-33	-599	-1,668	-758	-512	-2,938
Isobutane .....	-161	-11	-172	-111	-18	-81	-210
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	543	-	543	802	166	145	1,113
Ethylene .....	19	-	19	-	-	-	-
Propylene .....	518	-	518	839	166	136	1,141
Normal Butylene .....	-52	-	-52	-37	-	9	-28
Isobutylene .....	58	-	58	-	-	-	-
Finished Motor Gasoline .....	78,653	6,094	84,747	45,602	9,138	14,991	69,731
Reformulated .....	32,470	1	32,471	6,725	1,271	870	8,866
Reformulated Blended with Fuel Ethanol .....	32,470	1	32,471	6,725	1,271	870	8,866
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	46,183	6,093	52,276	38,877	7,867	14,121	60,865
Conventional Blended with Fuel Ethanol .....	48,764	6,144	54,908	34,989	7,718	12,468	55,175
Ed55 and Lower .....	48,727	6,144	54,871	34,980	7,695	12,414	55,089
Greater than Ed55 .....	37	-	37	9	23	54	86
Conventional Other .....	-2,581	-51	-2,632	3,888	149	1,653	5,690
Finished Aviation Gasoline .....	-	-	-	-	50	-	50
Kerosene-Type Jet Fuel .....	1,041	-3	1,038	4,766	597	558	5,921
Kerosene .....	52	3	55	194	-	92	286
Distillate Fuel Oil .....	4,903	756	5,659	18,634	4,466	10,125	33,225
15 ppm sulfur and under .....	4,912	743	5,655	18,665	4,464	10,122	33,251
Greater than 15 ppm to 500 ppm sulfur .....	155	-3	152	-	-	165	165
Greater than 500 ppm sulfur .....	-164	16	-148	-31	2	-162	-191
Residual Fuel Oil .....	937	2	939	711	126	129	966
Less than 0.31 percent sulfur .....	-17	2	-15	69	-	-	69
0.31 to 1.00 percent sulfur .....	744	-	744	274	67	23	364
Greater than 1.00 percent sulfur .....	210	-	210	368	59	106	533
Petrochemical Feedstocks .....	-	-	-	834	-	30	864
Naphtha for Petro. Feed. Use .....	-	-	-	502	-	-	502
Other Oils for Petro. Feed. Use .....	-	-	-	332	-	30	362
Special Naphthas .....	-	8	8	-34	-	19	-15
Lubricants .....	210	194	404	-	-	230	230
Waxes .....	-	-18	-18	-	-	22	22
Petroleum Coke .....	610	15	625	3,611	853	774	5,238
Marketable .....	170	-	170	2,640	698	558	3,896
Catalyst .....	440	15	455	971	155	216	1,342
Asphalt and Road Oil .....	338	612	950	2,871	1,094	356	4,321
Still Gas .....	807	42	849	2,422	569	1,022	4,013
Miscellaneous Products .....	35	28	63	320	105	43	468
<b>Total .....</b>	<b>87,776</b>	<b>7,709</b>	<b>95,485</b>	<b>80,457</b>	<b>16,663</b>	<b>28,381</b>	<b>125,501</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-1,434</b>	<b>31</b>	<b>-1,403</b>	<b>-4,255</b>	<b>-1,185</b>	<b>-1,218</b>	<b>-6,658</b>

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	461	5,706	3,985	-27	-9	10,116	106	-570	9,999
Natural Gas Liquids .....	81	2,000	1,371	-51	-9	3,392	28	-691	1,420
Ethane .....	4	114	20	—	—	138	—	—	138
Propane .....	310	2,329	1,917	17	34	4,607	221	806	8,244
Normal Butane .....	-159	-99	-616	-68	-41	-983	-149	-1,471	-6,140
Isobutane .....	-74	-344	50	—	-2	-370	-44	-26	-822
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	380	3,706	2,614	24	—	6,724	78	121	8,579
Ethylene .....	—	1	—	—	—	1	—	—	20
Propylene .....	388	3,797	2,549	24	—	6,758	19	111	8,547
Normal Butylene .....	-8	-59	65	—	—	-2	59	10	-13
Isobutylene .....	—	-33	—	—	—	-33	—	—	25
Finished Motor Gasoline .....	18,194	22,440	14,734	8,560	1,096	65,024	7,907	39,056	266,465
Reformulated .....	6,302	5,560	—	—	—	11,862	—	27,814	81,013
Reformulated Blended with Fuel Ethanol .....	6,302	5,560	—	—	—	11,862	—	27,814	81,013
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	11,892	16,880	14,734	8,560	1,096	53,162	7,907	11,242	185,452
Conventional Blended with Fuel Ethanol .....	11,648	1,830	4,500	9,264	1,149	28,391	7,314	12,134	157,922
Ed55 and Lower .....	11,633	1,830	4,500	9,256	1,148	28,367	7,304	12,098	157,729
Greater than Ed55 .....	15	—	—	8	1	24	10	36	193
Conventional Other .....	244	15,050	10,234	-704	-53	24,771	593	-892	27,530
Finished Aviation Gasoline .....	89	66	61	—	—	216	3	1	270
Kerosene-Type Jet Fuel .....	1,161	9,765	5,179	232	0	16,337	780	7,775	31,851
Kerosene .....	-2	95	1	21	—	115	2	17	475
Distillate Fuel Oil .....	6,404	37,808	28,162	2,127	1,089	75,590	5,855	15,324	135,653
15 ppm sulfur and under .....	6,425	36,772	26,085	2,075	1,089	72,446	5,771	14,957	132,080
Greater than 15 ppm to 500 ppm sulfur .....	-21	287	600	38	—	904	43	30	1,294
Greater than 500 ppm sulfur .....	—	749	1,477	14	—	2,240	41	337	2,279
Residual Fuel Oil .....	248	-331	648	-49	51	567	348	1,779	4,599
Less than 0.31 percent sulfur .....	206	—	—	—	—	206	214	174	648
0.31 to 1.00 percent sulfur .....	6	273	118	-49	—	348	20	641	2,117
Greater than 1.00 percent sulfur .....	36	-604	530	—	51	13	114	964	1,834
Petrochemical Feedstocks .....	113	5,260	2,117	—	—	7,490	—	—	8,354
Naphtha for Petro. Feed. Use .....	102	3,601	1,157	—	—	4,860	—	—	5,362
Other Oils for Petro. Feed. Use .....	11	1,659	960	—	—	2,630	—	—	2,992
Special Naphthas .....	77	709	—	220	—	1,006	—	28	1,027
Lubricants .....	22	1,794	1,716	892	—	4,424	—	391	5,449
Waxes .....	—	54	50	20	—	124	—	—	128
Petroleum Coke .....	342	6,915	4,285	109	23	11,674	637	3,501	21,675
Marketable .....	122	5,227	3,331	96	—	8,776	437	2,775	16,054
Catalyst .....	220	1,688	954	13	23	2,898	200	726	5,621
Asphalt and Road Oil .....	303	480	399	1,001	49	2,232	790	704	8,997
Still Gas .....	666	5,625	3,116	207	68	9,682	565	2,729	17,838
Miscellaneous Products .....	136	818	384	15	49	1,402	93	337	2,363
<b>Total .....</b>	<b>28,214</b>	<b>97,204</b>	<b>64,837</b>	<b>13,328</b>	<b>2,416</b>	<b>205,999</b>	<b>17,086</b>	<b>71,072</b>	<b>515,143</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-808</b>	<b>-8,282</b>	<b>-5,847</b>	<b>64</b>	<b>-32</b>	<b>-14,905</b>	<b>-654</b>	<b>-4,392</b>	<b>-28,012</b>

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>15,035</b>	<b>2,699</b>	<b>17,734</b>	<b>66,859</b>	<b>13,531</b>	<b>24,700</b>	<b>105,090</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>454</b>	<b>-</b>	<b>454</b>	<b>2,160</b>	<b>43</b>	<b>779</b>	<b>2,982</b>
Natural Gas Liquids .....	454	-	454	2,160	43	779	2,982
Normal Butane .....	209	-	209	732	-	46	778
Isobutane .....	245	-	245	1,027	43	464	1,534
Natural Gasoline .....	-	-	-	401	-	269	670
<b>Other Liquids</b> .....	<b>-7,520</b>	<b>-25</b>	<b>-7,545</b>	<b>-31,409</b>	<b>-5,305</b>	<b>-10,019</b>	<b>-46,733</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	154	134	288	950	432	347	1,729
Hydrogen .....	103	9	112	697	287	187	1,171
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	51	125	176	228	145	160	533
Fuel Ethanol .....	51	107	158	162	130	137	429
Renewable Diesel Fuel <sup>2</sup> .....	-	18	18	66	15	23	104
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	25	-	-	25
Unfinished Oils (net) .....	2,978	-119	2,859	1,227	58	-240	1,045
Naphthas and Lighter .....	24	-61	-37	216	13	-3	226
Kerosene and Light Gas Oils .....	301	-	301	345	24	41	410
Heavy Gas Oils .....	2,250	-54	2,196	706	21	-157	570
Residuum .....	403	-4	399	-40	-	-121	-161
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-10,652	-40	-10,692	-33,586	-5,795	-10,126	-49,507
Reformulated - RBOB .....	-6,745	-	-6,745	-7,354	-398	-	-7,752
Conventional .....	-3,907	-40	-3,947	-26,232	-5,397	-10,126	-41,755
CBOB .....	-3,188	-32	-3,220	-25,810	-5,537	-10,064	-41,411
GTAB .....	-	-	-	-	-	-	-
Other .....	-719	-8	-727	-422	140	-62	-344
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>7,969</b>	<b>2,674</b>	<b>10,643</b>	<b>37,610</b>	<b>8,269</b>	<b>15,460</b>	<b>61,339</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	525	91	616	2,226	466	824	3,516
Operable Capacity (daily average) .....	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent) <sup>3</sup> .....	66.4	92.4	69.3	82.3	85.1	89.0	84.2
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	89	18	107	389	66	145	599
Catalytic Cracking .....	259	16	274	665	147	179	990
Catalytic Hydrocracking .....	36	-	36	169	60	54	283
Delayed and Fluid Coking .....	31	-	31	305	71	75	450
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.68	1.56	0.81	1.59	1.72	0.60	1.38
API Gravity, Weighted Average (degrees) .....	36.67	32.77	36.06	33.48	25.59	39.13	33.70
<b>Operable Capacity (daily average)</b> .....	<b>791</b>	<b>98</b>	<b>889</b>	<b>2,703</b>	<b>547</b>	<b>927</b>	<b>4,177</b>
Operating .....	791	98	889	2,583	509	927	4,019
Idle .....	-	-	-	120	38	-	158
<b>Alaskan Crude Oil Receipts</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>19,871</b>	<b>123,877</b>	<b>75,122</b>	<b>6,490</b>	<b>2,658</b>	<b>228,018</b>	<b>16,546</b>	<b>56,325</b>	<b>423,713</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>892</b>	<b>4,834</b>	<b>3,240</b>	<b>49</b>	<b>134</b>	<b>9,149</b>	<b>500</b>	<b>2,313</b>	<b>15,398</b>
Natural Gas Liquids .....	892	4,834	3,240	49	134	9,149	500	2,313	15,398
Normal Butane .....	529	1,970	1,723	30	—	4,252	253	1,013	6,505
Isobutane .....	244	2,074	920	13	134	3,385	153	468	5,785
Natural Gasoline .....	119	790	597	6	—	1,512	94	832	3,108
<b>Other Liquids</b> .....	<b>-9,097</b>	<b>-48,866</b>	<b>-22,267</b>	<b>-1,173</b>	<b>-1,478</b>	<b>-82,881</b>	<b>-4,610</b>	<b>-29,562</b>	<b>-171,331</b>
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons .....	261	2,063	1,636	113	50	4,123	469	1,620	8,229
Hydrogen .....	13	1,990	1,378	44	41	3,466	211	1,257	6,217
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	248	73	258	69	9	657	258	363	1,987
Fuel Ethanol .....	200	43	163	51	4	461	199	90	1,337
Renewable Diesel Fuel <sup>2</sup> .....	48	30	25	18	5	126	12	273	533
Other Renewable Fuels .....	—	—	70	—	—	70	47	—	117
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	25
Unfinished Oils (net) .....	42	-2,217	6,398	6	35	4,264	-114	-220	7,834
Naphthas and Lighter .....	-59	-4,469	-232	-9	19	-4,750	-56	65	-4,552
Kerosene and Light Gas Oils .....	175	-470	-67	55	-31	-338	-183	-425	-235
Heavy Gas Oils .....	-9	570	2,630	43	47	3,281	142	356	6,545
Residuum .....	-65	2,152	4,067	-83	—	6,071	-17	-216	6,076
Motor Gasoline Blend Comp. (MGBC)(net) .....	-9,402	-48,712	-30,306	-1,292	-1,563	-91,275	-4,965	-30,962	-187,401
Reformulated - RBOB .....	-689	-13,978	-1,444	—	-732	-16,843	—	-23,779	-55,119
Conventional .....	-8,713	-34,734	-28,862	-1,292	-831	-74,432	-4,965	-7,183	-132,282
CBOB .....	-8,434	-29,195	-28,737	-1,277	-863	-68,506	-4,823	-7,329	-125,289
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-279	-5,539	-125	-15	32	-5,926	-142	146	-6,993
Aviation Gasoline Blend. Comp. (net) .....	2	—	5	—	—	7	—	—	7
<b>Total Input to Refineries</b> .....	<b>11,666</b>	<b>79,845</b>	<b>56,095</b>	<b>5,366</b>	<b>1,314</b>	<b>154,286</b>	<b>12,436</b>	<b>29,076</b>	<b>267,780</b>
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	662	4,267	2,633	200	89	7,851	555	2,043	14,580
Operable Capacity (daily average) .....	742	5,114	3,732	258	110	9,956	652	2,714	18,388
Operable Utilization Rate (percent) <sup>3</sup> .....	89.3	83.4	70.6	77.4	80.6	78.9	85.1	75.3	79.3
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	145	671	486	30	17	1,349	85	332	2,472
Catalytic Cracking .....	172	1,194	730	13	27	2,136	135	490	4,025
Catalytic Hydrocracking .....	47	505	427	14	15	1,009	27	402	1,756
Delayed and Fluid Coking .....	21	643	420	19	—	1,102	58	359	2,000
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.52	1.51	1.14	1.36	0.83	1.28	1.36	1.21	1.28
API Gravity, Weighted Average (degrees) .....	40.33	35.22	32.69	29.67	38.42	34.78	32.88	28.21	33.60
<b>Operable Capacity (daily average)</b> .....	<b>742</b>	<b>5,114</b>	<b>3,732</b>	<b>258</b>	<b>110</b>	<b>9,956</b>	<b>652</b>	<b>2,714</b>	<b>18,388</b>
Operating .....	742	5,079	3,233	258	110	9,422	643	2,660	17,633
Idle .....	—	35	499	—	—	534	10	54	755
<b>Alaskan Crude Oil Receipts</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>12,950</b>	<b>12,950</b>

— = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>3</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	190	-24	166	526	-335	-10	181
Natural Gas Liquids .....	-353	-24	-377	-276	-501	-155	-932
Ethane .....	-	-	-	-	-	-	-
Propane .....	374	20	394	1,503	275	438	2,216
Normal Butane .....	-566	-33	-599	-1,668	-758	-512	-2,938
Isobutane .....	-161	-11	-172	-111	-18	-81	-210
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	543	-	543	802	166	145	1,113
Ethylene .....	19	-	19	-	-	-	-
Propylene .....	518	-	518	839	166	136	1,141
Normal Butylene .....	-52	-	-52	-37	-	9	-28
Isobutylene .....	58	-	58	-	-	-	-
Finished Motor Gasoline .....	501	1,065	1,566	7,088	1,969	3,339	12,396
Reformulated .....	501	-	501	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	501	-	501	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	1,065	1,065	7,088	1,969	3,339	12,396
Conventional Blended with Fuel Ethanol .....	-	1,084	1,084	1,666	1,275	1,423	4,364
Ed55 and Lower .....	-	1,084	1,084	1,666	1,275	1,423	4,364
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	-19	-19	5,422	694	1,916	8,032
Finished Aviation Gasoline .....	-	-	-	-	50	-	50
Kerosene-Type Jet Fuel .....	1,041	-	1,041	4,781	597	558	5,936
Kerosene .....	63	4	67	197	-	92	289
Distillate Fuel Oil .....	4,669	715	5,384	18,575	4,425	10,075	33,075
15 ppm sulfur and under .....	4,746	702	5,448	18,608	4,423	10,072	33,103
Greater than 15 ppm to 500 ppm sulfur .....	-5	-3	-8	-	-	60	60
Greater than 500 ppm sulfur .....	-72	16	-56	-33	2	-57	-88
Residual Fuel Oil .....	941	2	943	713	126	129	968
Less than 0.31 percent sulfur .....	-	2	2	69	-	-	69
0.31 to 1.00 percent sulfur .....	745	-	745	274	67	23	364
Greater than 1.00 percent sulfur .....	196	-	196	370	59	106	535
Petrochemical Feedstocks .....	-	-	-	834	-	30	864
Naphtha for Petro. Feed. Use .....	-	-	-	502	-	-	502
Other Oils for Petro. Feed. Use .....	-	-	-	332	-	30	362
Special Naphthas .....	-	8	8	-34	-	19	-15
Lubricants .....	210	194	404	-	-	230	230
Waxes .....	-	-18	-18	-	-	22	22
Petroleum Coke .....	610	15	625	3,611	853	774	5,238
Marketable .....	170	-	170	2,640	698	558	3,896
Catalyst .....	440	15	455	971	155	216	1,342
Asphalt and Road Oil .....	338	612	950	2,834	1,094	356	4,284
Still Gas .....	807	42	849	2,422	569	1,022	4,013
Miscellaneous Products .....	35	28	63	320	105	43	468
<b>Total .....</b>	<b>9,405</b>	<b>2,643</b>	<b>12,048</b>	<b>41,867</b>	<b>9,453</b>	<b>16,679</b>	<b>67,999</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,436	31	-1,405	-4,257	-1,184	-1,219	-6,660

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	461	5,706	3,985	-27	-9	10,116	106	-570	9,999
Natural Gas Liquids .....	81	2,000	1,371	-51	-9	3,392	28	-691	1,420
Ethane .....	4	114	20	—	—	138	—	—	138
Propane .....	310	2,329	1,917	17	34	4,607	221	806	8,244
Normal Butane .....	-159	-99	-616	-68	-41	-983	-149	-1,471	-6,140
Isobutane .....	-74	-344	50	—	-2	-370	-44	-26	-822
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	380	3,706	2,614	24	—	6,724	78	121	8,579
Ethylene .....	—	1	—	—	—	1	—	—	20
Propylene .....	388	3,797	2,549	24	—	6,758	19	111	8,547
Normal Butylene .....	-8	-59	65	—	—	-2	59	10	-13
Isobutylene .....	—	-33	—	—	—	-33	—	—	25
Finished Motor Gasoline .....	2,478	12,923	11,839	572	40	27,852	3,926	1,827	47,567
Reformulated .....	—	—	—	—	—	—	—	551	1,052
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	551	1,052
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	2,478	12,923	11,839	572	40	27,852	3,926	1,276	46,515
Conventional Blended with Fuel Ethanol .....	2,009	426	1,623	549	40	4,647	2,028	357	12,480
Ed55 and Lower .....	2,008	426	1,623	549	40	4,646	2,028	357	12,479
Greater than Ed55 .....	1	—	—	—	—	1	—	—	1
Conventional Other .....	469	12,497	10,216	23	—	23,205	1,898	919	34,035
Finished Aviation Gasoline .....	89	66	61	—	—	216	3	1	270
Kerosene-Type Jet Fuel .....	1,161	9,765	5,177	232	—	16,335	741	7,796	31,849
Kerosene .....	-2	95	0	21	—	114	2	0	472
Distillate Fuel Oil .....	6,379	37,885	28,165	2,089	1,075	75,593	5,880	14,946	134,878
15 ppm sulfur and under .....	6,400	36,714	26,088	2,037	1,075	72,314	5,796	14,597	131,258
Greater than 15 ppm to 500 ppm sulfur .....	-21	287	600	38	—	904	43	30	1,029
Greater than 500 ppm sulfur .....	—	884	1,477	14	—	2,375	41	319	2,591
Residual Fuel Oil .....	248	32	648	-49	51	930	348	1,779	4,968
Less than 0.31 percent sulfur .....	206	—	—	—	—	206	214	49	540
0.31 to 1.00 percent sulfur .....	6	273	118	-49	—	348	20	640	2,117
Greater than 1.00 percent sulfur .....	36	-241	530	—	51	376	114	1,090	2,311
Petrochemical Feedstocks .....	113	5,260	2,117	—	—	7,490	—	—	8,354
Naphtha for Petro. Feed. Use .....	102	3,601	1,157	—	—	4,860	—	—	5,362
Other Oils for Petro. Feed. Use .....	11	1,659	960	—	—	2,630	—	—	2,992
Special Naphthas .....	77	709	—	220	—	1,006	—	28	1,027
Lubricants .....	22	1,794	1,716	892	—	4,424	—	391	5,449
Waxes .....	—	54	50	20	—	124	—	—	128
Petroleum Coke .....	342	6,915	4,285	109	23	11,674	637	3,501	21,675
Marketable .....	122	5,227	3,331	96	—	8,776	437	2,775	16,054
Catalyst .....	220	1,688	954	13	23	2,898	200	726	5,621
Asphalt and Road Oil .....	303	480	399	1,001	49	2,232	790	704	8,960
Still Gas .....	666	5,625	3,116	207	68	9,682	565	2,729	17,838
Miscellaneous Products .....	136	818	384	15	49	1,402	93	337	2,363
<b>Total .....</b>	<b>12,473</b>	<b>88,127</b>	<b>61,942</b>	<b>5,302</b>	<b>1,346</b>	<b>169,190</b>	<b>13,091</b>	<b>33,469</b>	<b>295,797</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-807	-8,282	-5,847	64	-32	-14,904	-655	-4,393	-28,017

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	<b>1,080</b>	<b>—</b>	<b>1,080</b>	<b>118</b>	<b>119</b>	<b>429</b>	<b>666</b>
Natural Gas Liquids .....	1,080	—	1,080	118	119	429	666
Normal Butane .....	845	—	845	118	115	363	596
Isobutane .....	—	—	—	—	—	—	—
Natural Gasoline .....	235	—	235	—	4	66	70
<b>Other Liquids</b> .....	<b>77,293</b>	<b>5,066</b>	<b>82,359</b>	<b>38,474</b>	<b>7,090</b>	<b>11,274</b>	<b>56,838</b>
Oxygenates/Renewables .....	8,362	546	8,908	4,196	829	1,275	6,300
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	8,362	546	8,908	4,196	829	1,275	6,300
Fuel Ethanol .....	8,139	505	8,644	4,068	788	1,229	6,085
Renewable Diesel Fuel <sup>2</sup> .....	223	41	264	128	41	46	215
Other Renewable Fuels .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	—	—	37	—	—	37
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	1	—	—	1
Residuum .....	—	—	—	36	—	—	36
Motor Gasoline Blend.Comp. (MGBC)(net) .....	68,931	4,520	73,451	34,241	6,261	9,999	50,501
Reformulated - RBOB .....	20,868	—	20,868	5,497	1,141	783	7,421
Conventional .....	48,063	4,520	52,583	28,744	5,120	9,216	43,080
CBOB .....	41,989	4,520	46,509	28,727	5,120	9,216	43,063
GTAB .....	2,885	—	2,885	—	—	—	—
Other .....	3,189	—	3,189	17	—	—	17
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>78,373</b>	<b>5,066</b>	<b>83,439</b>	<b>38,592</b>	<b>7,209</b>	<b>11,703</b>	<b>57,504</b>

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	<b>35</b>	<b>1,516</b>	<b>285</b>	<b>37</b>	<b>—</b>	<b>1,873</b>	<b>68</b>	<b>35</b>	<b>3,722</b>
Natural Gas Liquids .....	35	1,516	285	37	—	1,873	68	35	3,722
Normal Butane .....	25	725	285	37	—	1,072	63	35	2,611
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	10	791	—	—	—	801	5	—	1,111
<b>Other Liquids</b> .....	<b>15,705</b>	<b>7,561</b>	<b>2,610</b>	<b>7,989</b>	<b>1,070</b>	<b>34,935</b>	<b>3,928</b>	<b>37,569</b>	<b>215,629</b>
Oxygenates/Renewables .....	1,641	752	287	919	124	3,723	548	4,322	23,801
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,641	752	287	919	124	3,723	548	4,322	23,801
Fuel Ethanol .....	1,616	700	287	880	109	3,592	532	3,946	22,799
Renewable Diesel Fuel <sup>2</sup> .....	25	52	—	39	15	131	16	367	993
Other Renewable Fuels .....	—	—	—	—	—	—	—	9	9
Unfinished Oils (net) .....	—	-498	—	—	—	-498	—	—	-461
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	-498	—	—	—	-498	—	—	-498
Heavy Gas Oils .....	—	—	—	—	—	—	—	—	1
Residuum .....	—	—	—	—	—	—	—	—	36
Motor Gasoline Blend.Comp. (MGBC)(net) .....	14,064	7,307	2,323	7,070	946	31,710	3,380	33,247	192,289
Reformulated - RBOB .....	5,663	5,524	—	7	—	11,194	—	24,382	63,865
Conventional .....	8,401	1,783	2,323	7,063	946	20,516	3,380	8,865	128,424
CBOB .....	8,401	-3,622	1,054	7,063	944	13,840	3,379	8,719	115,510
GTAB .....	—	—	—	—	—	—	—	—	2,885
Other .....	—	5,405	1,269	—	2	6,676	1	146	10,029
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
<b>Total Input</b> .....	<b>15,740</b>	<b>9,077</b>	<b>2,895</b>	<b>8,026</b>	<b>1,070</b>	<b>36,808</b>	<b>3,996</b>	<b>37,604</b>	<b>219,351</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	78,152	5,029	83,181	38,514	7,169	11,652	57,335
Reformulated .....	31,969	1	31,970	6,725	1,271	870	8,866
Reformulated Blended with Fuel Ethanol .....	31,969	1	31,970	6,725	1,271	870	8,866
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	46,183	5,028	51,211	31,789	5,898	10,782	48,469
Conventional Blended with Fuel Ethanol .....	48,764	5,060	53,824	33,323	6,443	11,045	50,811
Ed55 and Lower .....	48,727	5,060	53,787	33,314	6,420	10,991	50,725
Greater than Ed55 .....	37	-	37	9	23	54	86
Conventional Other .....	-2,581	-32	-2,613	-1,534	-545	-263	-2,342
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-3	-3	-15	-	0	-15
Kerosene .....	-11	-1	-12	-3	-	-	-3
Distillate Fuel Oil .....	234	41	275	59	41	50	150
15 ppm sulfur and under .....	166	41	207	57	41	50	148
Greater than 15 ppm to 500 ppm sulfur .....	160	-	160	-	-	105	105
Greater than 500 ppm sulfur .....	-92	-	-92	2	-	-105	-103
Residual Fuel Oil .....	-4	-	-4	-2	-	-	-2
Less than 0.31 percent sulfur .....	-17	-	-17	-	-	-	-
0.31 to 1.00 percent sulfur .....	-1	-	-1	-	-	-	-
Greater than 1.00 percent sulfur .....	14	-	14	-2	-	-	-2
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	37	-	-	37
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>78,371</b>	<b>5,066</b>	<b>83,437</b>	<b>38,590</b>	<b>7,210</b>	<b>11,702</b>	<b>57,502</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	2	0	2	2	-1	1	2

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	15,716	9,517	2,895	7,988	1,056	37,172	3,981	37,229	218,898
Reformulated .....	6,302	5,560	-	-	-	11,862	-	27,263	79,961
Reformulated Blended with Fuel Ethanol .....	6,302	5,560	-	-	-	11,862	-	27,263	79,961
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,414	3,957	2,895	7,988	1,056	25,310	3,981	9,966	138,937
Conventional Blended with Fuel Ethanol .....	9,639	1,404	2,877	8,715	1,109	23,744	5,286	11,777	145,442
Ed55 and Lower .....	9,625	1,404	2,877	8,707	1,108	23,721	5,276	11,741	145,250
Greater than Ed55 .....	14	-	-	8	1	23	10	36	192
Conventional Other .....	-225	2,553	18	-727	-53	1,566	-1,305	-1,811	-6,505
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-	2	-	0	2	39	-21	2
Kerosene .....	-	-	1	-	-	1	-	17	3
Distillate Fuel Oil .....	25	-77	-3	38	14	-3	-25	378	775
15 ppm sulfur and under .....	25	58	-3	38	14	132	-25	360	822
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	265
Greater than 500 ppm sulfur .....	-	-135	-	-	-	-135	-	18	-312
Residual Fuel Oil .....	-	-363	-	-	-	-363	-	0	-369
Less than 0.31 percent sulfur .....	-	-	-	-	-	-	-	125	108
0.31 to 1.00 percent sulfur .....	-	-	-	-	-	-	-	1	0
Greater than 1.00 percent sulfur .....	-	-363	-	-	-	-363	-	-126	-477
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	-	-	-	-	-	-	37
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production .....</b>	<b>15,741</b>	<b>9,077</b>	<b>2,895</b>	<b>8,026</b>	<b>1,070</b>	<b>36,809</b>	<b>3,995</b>	<b>37,603</b>	<b>219,346</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1	0	0	0	0	-1	1	1	5

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b>	<b>5,408</b>	<b>730</b>	<b>6,138</b>	<b>9,960</b>	<b>1,831</b>	<b>2,101</b>	<b>13,892</b>
<b>Petroleum Products</b>	<b>9,777</b>	<b>1,843</b>	<b>11,620</b>	<b>28,795</b>	<b>5,935</b>	<b>10,844</b>	<b>45,574</b>
Hydrocarbon Gas Liquids	759	47	806	3,100	502	1,686	5,288
Natural Gas Liquids	362	47	409	2,687	475	1,663	4,825
Ethane	—	—	—	—	—	—	—
Propane	91	5	96	644	43	1,136	1,823
Normal Butane	162	24	186	1,665	384	224	2,273
Isobutane	109	18	127	273	48	146	467
Natural Gasoline	—	—	—	105	—	157	262
Refinery Olefins	397	0	397	413	27	23	463
Ethylene	—	—	—	—	—	—	—
Propylene	160	0	160	370	27	7	404
Normal Butylene	193	0	193	43	0	16	59
Isobutylene	44	0	44	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	113	105	218	73	80	32	185
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	113	105	218	60	80	32	172
Fuel Ethanol	113	98	211	37	62	27	126
Renewable Diesel Fuel <sup>2</sup>	—	7	7	23	18	5	46
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	13	—	—	13
Unfinished Oils	3,057	403	3,460	7,153	543	3,704	11,400
Naphthas and Lighter	452	263	715	2,065	159	1,114	3,338
Kerosene and Light Gas Oils	257	—	257	1,390	188	305	1,883
Heavy Gas Oils	1,729	134	1,863	2,336	192	1,467	3,995
Residuum	619	6	625	1,362	4	818	2,184
Motor Gasoline Blending Components (MGBC)	3,643	227	3,870	7,840	1,567	2,519	11,926
Reformulated - RBOB	1,461	—	1,461	980	—	—	980
Conventional	2,182	227	2,409	6,860	1,567	2,519	10,946
CBOB	79	198	277	2,523	1,003	1,505	5,031
GTAB	—	—	—	—	—	—	—
Other	2,103	29	2,132	4,337	564	1,014	5,915
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	25	25	930	263	351	1,544
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	25	25	930	263	351	1,544
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	25	25	930	263	351	1,544
Finished Aviation Gasoline	—	—	—	—	87	—	87
Kerosene-Type Jet Fuel	365	—	365	1,305	256	242	1,803
Kerosene	135	9	144	92	—	18	110
Distillate Fuel Oil	1,046	235	1,281	3,635	920	1,642	6,197
15 ppm sulfur and under	824	176	1,000	3,489	775	1,533	5,797
Greater than 15 ppm to 500 ppm sulfur	25	27	52	—	9	81	90
Greater than 500 ppm sulfur	197	32	229	146	136	28	310
Residual Fuel Oil	232	22	254	671	180	78	929
Less than 0.31 percent sulfur	—	21	21	63	—	—	63
0.31 to 1.00 percent sulfur	41	1	42	153	28	30	211
Greater than 1.00 percent sulfur	191	—	191	455	152	48	655
Petrochemical Feedstocks	—	—	—	561	—	—	561
Naphtha for Petro. Feed. Use	—	—	—	462	—	—	462
Other Oils for Petro. Feed. Use	—	—	—	99	—	—	99
Special Naphthas	—	19	19	59	—	22	81
Lubricants	298	208	506	—	—	140	140
Waxes	—	254	254	—	—	50	50
Petroleum Coke	—	—	—	888	688	97	1,673
Marketable	—	—	—	888	688	97	1,673
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	118	249	367	2,412	824	256	3,492
Miscellaneous Products	11	40	51	76	25	7	108
<b>Total Stocks, All Oils</b>	<b>15,185</b>	<b>2,573</b>	<b>17,758</b>	<b>38,755</b>	<b>7,766</b>	<b>12,945</b>	<b>59,466</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>1,877</b>	<b>27,559</b>	<b>15,614</b>	<b>1,079</b>	<b>297</b>	<b>46,426</b>	<b>2,333</b>	<b>18,547</b>	<b>87,336</b>
<b>Petroleum Products</b>	<b>10,342</b>	<b>56,718</b>	<b>42,274</b>	<b>3,528</b>	<b>1,083</b>	<b>113,945</b>	<b>10,888</b>	<b>44,373</b>	<b>226,400</b>
Hydrocarbon Gas Liquids	2,820	2,030	1,419	10	38	6,317	524	1,573	14,508
Natural Gas Liquids	2,219	1,726	1,177	9	38	5,169	460	1,558	12,421
Ethane	116	—	—	—	—	116	—	—	116
Propane	439	176	80	1	4	700	43	89	2,751
Normal Butane	1,506	1,311	510	4	6	3,337	317	1,097	7,210
Isobutane	110	219	408	4	10	751	85	371	1,801
Natural Gasoline	48	20	179	—	18	265	15	1	543
Refinery Olefins	601	304	242	1	0	1,148	64	15	2,087
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	546	49	100	1	0	696	0	9	1,269
Normal Butylene	55	255	138	0	0	448	64	6	770
Isobutylene	0	0	4	0	0	4	0	0	48
Oxygenates/Renewable Fuels/Other Hydrocarbons	37	29	349	62	2	479	198	440	1,520
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	37	29	349	62	2	479	198	440	1,507
Fuel Ethanol	33	13	69	29	1	145	142	116	740
Renewable Diesel Fuel <sup>2</sup>	4	16	280	33	1	334	56	324	767
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	13
Unfinished Oils	1,919	21,922	13,769	796	486	38,892	2,740	16,344	72,836
Naphthas and Lighter	798	6,172	2,130	262	156	9,518	614	2,480	16,665
Kerosene and Light Gas Oils	320	3,295	1,990	152	154	5,911	467	2,607	11,125
Heavy Gas Oils	409	9,747	7,357	356	176	18,045	1,285	8,274	33,462
Residuum	392	2,708	2,292	26	—	5,418	374	2,983	11,584
Motor Gasoline Blending Components (MGBC)	2,915	12,359	11,355	321	213	27,163	3,623	13,246	59,828
Reformulated - RBOB	164	1,347	259	—	—	1,770	—	5,240	9,451
Conventional	2,751	11,012	11,096	321	213	25,393	3,623	8,006	50,377
CBOB	1,472	3,719	5,649	250	18	11,108	2,139	2,105	20,660
GTAB	—	—	—	—	—	—	—	—	—
Other	1,279	7,293	5,447	71	195	14,285	1,484	5,901	29,717
Aviation Gasoline Blending Components	23	—	7	—	—	30	—	—	30
Finished Motor Gasoline	188	1,622	1,239	10	—	3,059	888	594	6,110
Reformulated	—	—	—	—	—	—	—	18	18
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	18	18
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	188	1,622	1,239	10	—	3,059	888	576	6,092
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	70	—	70
Ed55 and Lower	—	—	—	—	—	—	70	—	70
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	188	1,622	1,239	10	—	3,059	818	576	6,022
Finished Aviation Gasoline	40	105	137	—	—	282	6	138	513
Kerosene-Type Jet Fuel	380	2,719	1,549	89	—	4,737	301	2,904	10,110
Kerosene	20	—	78	3	—	101	2	1	358
Distillate Fuel Oil	1,086	6,963	6,322	327	120	14,818	1,671	4,927	28,894
15 ppm sulfur and under	1,069	6,193	5,118	207	120	12,707	1,512	4,336	25,352
Greater than 15 ppm to 500 ppm sulfur	17	181	523	30	—	751	93	268	1,254
Greater than 500 ppm sulfur	—	589	681	90	—	1,360	66	323	2,288
Residual Fuel Oil	119	1,641	1,372	18	52	3,202	179	1,773	6,337
Less than 0.31 percent sulfur	9	—	17	—	—	26	26	19	155
0.31 to 1.00 percent sulfur	45	248	201	18	—	512	6	227	998
Greater than 1.00 percent sulfur	65	1,393	1,154	—	52	2,664	147	1,527	5,184
Petrochemical Feedstocks	116	1,507	550	20	—	2,193	—	2	2,756
Naphtha for Petro. Feed. Use	37	906	512	20	—	1,475	—	2	1,939
Other Oils for Petro. Feed. Use	79	601	38	—	—	718	—	—	817
Special Naphthas	154	638	—	99	—	891	—	53	1,044
Lubricants	39	2,086	1,905	701	—	4,731	—	485	5,862
Waxes	—	83	89	68	—	240	—	—	544
Petroleum Coke	14	2,588	1,544	—	—	4,146	238	1,259	7,316
Marketable	14	2,588	1,544	—	—	4,146	238	1,259	7,316
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	436	218	501	1,004	152	2,311	505	534	7,209
Miscellaneous Products	36	208	89	—	20	353	13	100	625
<b>Total Stocks, All Oils</b>	<b>12,219</b>	<b>84,277</b>	<b>57,888</b>	<b>4,607</b>	<b>1,380</b>	<b>160,371</b>	<b>13,221</b>	<b>62,920</b>	<b>313,736</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, November 2020

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	1.1	-0.9	0.8	0.8	-2.4	0.0	0.2
Finished Motor Gasoline <sup>1</sup> .....	58.8	38.6	56.3	55.7	54.7	50.9	54.5
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.4	—	0.1
Kerosene-Type Jet Fuel .....	5.8	—	5.0	7.0	4.3	2.3	5.5
Kerosene .....	0.4	0.2	0.3	0.3	—	0.4	0.3
Distillate Fuel Oil <sup>3</sup> .....	25.8	26.9	25.9	26.9	31.8	40.8	30.7
Residual Fuel Oil .....	5.2	0.1	4.6	1.0	0.9	0.5	0.9
Naphtha for Petro. Feed. Use .....	—	—	—	0.7	—	—	0.5
Other Oils for Petro. Feed. Use .....	—	—	—	0.5	—	0.1	0.3
Special Naphthas .....	—	0.3	0.0	-0.1	—	0.1	0.0
Lubricants .....	1.2	7.5	2.0	—	—	0.9	0.2
Waxes .....	—	-0.7	-0.1	—	—	0.1	0.0
Petroleum Coke .....	3.4	0.6	3.0	5.3	6.2	3.1	4.9
Asphalt and Road Oil .....	1.9	23.6	4.6	4.1	7.9	1.4	4.0
Still Gas .....	4.5	1.6	4.1	3.5	4.1	4.2	3.7
Miscellaneous Products .....	0.2	1.1	0.3	0.5	0.8	0.2	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-7.9	1.2	-6.8	-6.2	-8.5	-4.9	-6.2

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	2.3	4.6	4.8	-0.4	-0.3	4.3	0.6	-1.0	2.3
Finished Motor Gasoline <sup>1</sup> .....	54.1	45.9	46.7	27.0	53.6	46.5	49.2	53.0	49.9
Finished Aviation Gasoline <sup>2</sup> .....	0.4	0.1	0.1	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel .....	5.8	7.9	6.3	3.6	—	6.9	4.5	13.6	7.3
Kerosene .....	0.0	0.1	0.0	0.3	—	0.1	0.0	0.0	0.1
Distillate Fuel Oil <sup>3</sup> .....	31.8	30.6	33.9	31.7	39.1	32.0	35.0	25.6	30.7
Residual Fuel Oil .....	1.2	0.0	0.8	-0.8	1.9	0.4	2.1	3.1	1.1
Naphtha for Petro. Feed. Use .....	0.5	2.9	1.4	—	—	2.1	—	—	1.2
Other Oils for Petro. Feed. Use .....	0.1	1.3	1.2	—	—	1.1	—	—	0.7
Special Naphthas .....	0.4	0.6	—	3.4	—	0.4	—	0.1	0.2
Lubricants .....	0.1	1.5	2.1	13.6	—	1.9	—	0.7	1.2
Waxes .....	—	0.0	0.1	0.3	—	0.1	—	—	0.0
Petroleum Coke .....	1.7	5.6	5.2	1.7	0.8	5.0	3.8	6.1	5.0
Asphalt and Road Oil .....	1.5	0.4	0.5	15.3	1.8	1.0	4.8	1.2	2.1
Still Gas .....	3.3	4.6	3.8	3.2	2.5	4.1	3.4	4.8	4.1
Miscellaneous Products .....	0.7	0.7	0.5	0.0	2.0	0.6	0.6	0.6	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.1	-6.7	-7.1	1.0	-1.2	-6.3	-3.9	-7.7	-6.4

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, November 2020**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	—	—	1,078	1,078
Connecticut .....	—	—	—	—
Delaware .....	—	—	—	—
Florida .....	—	—	—	—
Georgia .....	—	—	—	—
Maine .....	—	—	—	—
Maryland .....	—	—	—	—
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	—	601	601
New York .....	—	—	477	477
North Carolina .....	—	—	—	—
Pennsylvania .....	—	—	—	—
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	—	—
Vermont .....	—	—	—	—
Virginia .....	—	—	—	—
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	—	14	77	91
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	—	59	59
Minnesota .....	—	11	9	20
North Dakota .....	—	3	—	3
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	511	1	3,572	4,084
Alabama .....	—	—	—	—
Louisiana .....	390	—	1,476	1,866
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	121	1	2,096	2,218
<b>PAD District 4</b> .....	—	—	—	—
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	—	62	73	135
Alaska .....	—	—	—	—
California .....	—	—	73	73
Hawaii .....	—	—	—	—
Oregon .....	—	—	—	—
Washington .....	—	62	—	62
<b>U.S. Total</b> .....	511	77	4,800	5,388

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>13,941</b>	<b>72,621</b>	<b>47,492</b>	<b>8,867</b>	<b>24,186</b>	<b>167,107</b>	<b>5,570</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,454</b>	<b>2,057</b>	<b>—</b>	<b>594</b>	<b>1,454</b>	<b>5,559</b>	<b>185</b>
Natural Gas Liquids	1,233	1,886	—	594	1,454	5,167	172
Ethane	—	—	—	—	—	—	—
Propane	1,115	1,555	—	444	1,002	4,116	137
Normal Butane	25	301	—	145	429	900	30
Isobutane	93	28	—	5	23	149	5
Natural Gasoline	—	2	—	—	—	2	0
Refinery Olefins	221	171	—	—	—	392	13
Ethylene	—	—	—	—	—	—	—
Propylene	221	132	—	—	—	353	12
Normal Butylene	—	39	—	—	—	39	1
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>16,638</b>	<b>84</b>	<b>12,242</b>	<b>52</b>	<b>2,659</b>	<b>31,675</b>	<b>1,056</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	255	63	3	22	1,194	1,537	51
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	255	63	—	22	1,194	1,534	51
Fuel Ethanol	—	—	—	—	441	441	15
Biodiesel	255	63	—	22	108	448	15
Other Renewable Diesel Fuel	—	—	—	—	645	645	22
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	3	—	—	3	0
Unfinished Oils <sup>1</sup>	3,040	—	11,754	—	718	15,512	517
Naphthas and Lighter	369	—	—	—	—	369	12
Kerosene and Lighter Gas Oils	—	—	—	—	14	14	0
Heavy Gas Oils	2,671	—	3,584	—	704	6,959	232
Residuum	—	—	8,170	—	—	8,170	272
Motor Gasoline Blend Comp. (MGBC)	13,343	21	485	30	747	14,626	488
Reformulated - RBOB	5,746	—	—	—	—	5,746	192
Conventional	7,597	21	485	30	747	8,880	296
CBOB	543	—	—	—	—	543	18
GTAB	1,285	—	—	—	—	1,285	43
Other	5,769	21	485	30	747	7,052	235
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>13,432</b>	<b>1,175</b>	<b>5,644</b>	<b>134</b>	<b>3,758</b>	<b>24,143</b>	<b>805</b>
Finished Motor Gasoline	1,361	—	—	—	492	1,853	62
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	1,361	—	—	—	492	1,853	62
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	1,361	—	—	—	492	1,853	62
Finished Aviation Gasoline	23	4	—	—	—	27	1
Kerosene-Type Jet Fuel	1,595	15	—	14	2,813	4,437	148
Bonded Aircraft Fuel	—	—	—	—	55	55	2
Other	1,595	15	—	14	2,758	4,382	146
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	8,601	216	—	91	241	9,149	305
15 ppm sulfur and under	8,599	191	—	91	241	9,122	304
Bonded	—	5	—	—	—	5	0
Other	8,599	186	—	91	241	9,117	304
Greater than 15 ppm to 500 ppm sulfur	2	—	—	—	—	2	0
Bonded	—	—	—	—	—	—	—
Other	2	—	—	—	—	2	0
Greater than 500 ppm to 2000 ppm sulfur	—	25	—	—	—	25	1
Bonded	—	—	—	—	—	—	—
Other	—	25	—	—	—	25	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,078	91	4,084	—	135	5,388	180
Less than 0.31 percent sulfur	—	—	511	—	—	511	17
0.31 to 1.00 percent sulfur	—	14	1	—	62	77	3
Greater than 1.00 percent sulfur	1,078	77	3,572	—	73	4,800	160
Petrochemical Feedstocks	2	139	233	—	37	411	14
Naphtha for Petro. Feed. Use	—	78	186	—	37	301	10
Other Oils for Petro. Feed. Use	2	61	47	—	—	110	4
Special Naphthas	4	7	254	—	—	265	9
Lubricants	104	180	942	—	4	1,230	41
Waxes	91	13	34	—	6	144	5
Petroleum Coke (Marketable)	6	31	96	—	—	133	4
Asphalt and Road Oil	565	479	1	28	30	1,103	37
Miscellaneous Products	2	—	—	1	—	3	0
<b>Total</b>	<b>45,465</b>	<b>75,937</b>	<b>65,378</b>	<b>9,647</b>	<b>32,057</b>	<b>228,484</b>	<b>7,616</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-November 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>147,837</b>	<b>801,590</b>	<b>606,724</b>	<b>100,686</b>	<b>316,879</b>	<b>1,973,716</b>	<b>5,892</b>
<b>Hydrocarbon Gas Liquids</b>	<b>12,251</b>	<b>20,320</b>	<b>195</b>	<b>3,985</b>	<b>14,229</b>	<b>50,980</b>	<b>152</b>
Natural Gas Liquids	9,650	18,118	35	3,985	14,168	45,956	137
Ethane	—	—	—	—	—	—	—
Propane	8,874	14,308	35	3,337	9,406	35,960	107
Normal Butane	249	2,271	—	562	4,559	7,641	23
Isobutane	527	1,476	—	86	203	2,292	7
Natural Gasoline	—	63	—	—	—	63	0
Refinery Olefins	2,601	2,202	160	—	61	5,024	15
Ethylene	—	—	—	—	—	—	—
Propylene	2,601	1,694	—	—	—	4,295	13
Normal Butylene	—	508	160	—	61	729	2
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>162,205</b>	<b>3,364</b>	<b>161,530</b>	<b>1,238</b>	<b>30,981</b>	<b>359,318</b>	<b>1,073</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,889	1,065	349	440	9,595	13,338	40
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates <sup>3</sup>	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,889	1,065	273	440	9,595	13,262	40
Fuel Ethanol	—	—	—	—	3,167	3,167	9
Biodiesel	1,889	1,065	273	440	644	4,311	13
Other Renewable Diesel Fuel	—	—	—	—	5,784	5,784	17
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	76	—	—	76	0
Unfinished Oils <sup>1</sup>	24,180	168	147,265	—	14,366	185,979	555
Naphthas and Lighter	4,305	—	2,147	—	172	6,624	20
Kerosene and Lighter Gas Oils	—	75	234	—	35	344	1
Heavy Gas Oils	19,872	93	44,114	—	11,661	75,740	226
Residuum	3	—	100,770	—	2,498	103,271	308
Motor Gasoline Blend Comp. (MGBC)	136,136	2,131	13,916	798	7,020	160,001	478
Reformulated - RBOB	55,782	—	—	—	1,120	56,902	170
Conventional	80,354	2,131	13,916	798	5,900	103,099	308
CBOB	8,097	248	135	14	646	9,140	27
GTAB	18,346	—	933	—	230	19,509	58
Other	53,911	1,883	12,848	784	5,024	74,450	222
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>128,722</b>	<b>11,754</b>	<b>61,164</b>	<b>2,052</b>	<b>48,465</b>	<b>252,157</b>	<b>753</b>
Finished Motor Gasoline	29,225	37	594	26	5,887	35,769	107
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	29,225	37	594	26	5,887	35,769	107
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	29,225	37	594	26	5,887	35,769	107
Finished Aviation Gasoline	61	40	127	3	14	245	1
Kerosene-Type Jet Fuel	15,843	15	2,511	178	32,003	50,550	151
Bonded Aircraft Fuel	1,747	—	—	—	6,620	8,367	25
Other	14,096	15	2,511	178	25,383	42,183	126
Kerosene	303	—	—	—	40	343	1
Distillate Fuel Oil	55,511	2,289	47	1,533	5,466	64,846	194
15 ppm sulfur and under	54,137	2,139	47	1,532	5,151	63,006	188
Bonded	288	95	—	—	—	383	1
Other	53,849	2,044	47	1,532	5,151	62,623	187
Greater than 15 ppm to 500 ppm sulfur	1,111	—	—	—	308	1,419	4
Bonded	—	—	—	—	—	—	—
Other	1,111	—	—	—	308	1,419	4
Greater than 500 ppm to 2000 ppm sulfur	263	150	—	1	7	421	1
Bonded	—	—	—	—	—	—	—
Other	263	150	—	1	7	421	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	15,606	932	37,652	—	3,471	57,661	172
Less than 0.31 percent sulfur	1,105	—	1,423	—	—	2,528	8
0.31 to 1.00 percent sulfur	6,883	416	5,050	—	870	13,219	39
Greater than 1.00 percent sulfur	7,618	516	31,179	—	2,601	41,914	125
Petrochemical Feedstocks	879	1,668	3,560	—	279	6,386	19
Naphtha for Petro. Feed. Use	870	910	3,181	—	279	5,240	16
Other Oils for Petro. Feed. Use	9	758	379	—	—	1,146	3
Special Naphthas	18	70	4,358	—	—	4,446	13
Lubricants	1,339	1,482	9,143	—	199	12,163	36
Waxes	808	145	335	—	290	1,578	5
Petroleum Coke (Marketable)	35	270	2,714	—	119	3,138	9
Asphalt and Road Oil	9,092	4,806	123	301	697	15,019	45
Miscellaneous Products	2	—	—	11	—	13	0
<b>Total</b>	<b>451,015</b>	<b>837,028</b>	<b>829,613</b>	<b>107,961</b>	<b>410,554</b>	<b>2,636,171</b>	<b>7,869</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>17,200</b>	<b>56</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>130</b>	<b>130</b>
Algeria .....	557	-	-	-	-	-	-	-	-	-
Angola .....	1,148	-	-	-	-	-	-	-	90	90
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	56	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	3,315	-	-	-	-	-	-	-	-	-
Kuwait .....	720	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	3,278	-	-	-	-	-	-	-	40	40
Saudi Arabia .....	8,182	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>149,907</b>	<b>5,111</b>	<b>392</b>	<b>15,512</b>	<b>-</b>	<b>1,853</b>	<b>1,853</b>	<b>5,746</b>	<b>8,750</b>	<b>14,496</b>
Argentina .....	361	-	-	-	-	-	-	-	79	79
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	417	-	-	-	91	221	312
Brazil .....	3,808	-	-	-	-	-	-	-	717	717
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	112,222	4,913	392	181	-	383	383	3,450	920	4,370
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	4,439	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	5,713	-	-	1,084	-	-	-	-	-	-
Egypt .....	-	-	-	1,029	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	218	218	-	433	433
France .....	-	-	-	-	-	264	264	553	-	553
Germany .....	-	-	-	14	-	-	-	-	16	16
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	1,234	1,234
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	295	295
Korea, South .....	-	-	-	-	-	341	341	-	553	553
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	320	320
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	16,360	-	-	301	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	525	1,169	1,694
Norway .....	791	198	-	-	-	-	-	104	-	104
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	561	561	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	929	-	-	11,342	-	86	86	258	910	1,168
Spain .....	-	-	-	-	-	-	-	-	532	532
Sweden .....	-	-	-	332	-	-	-	31	321	352
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,037	-	-	-	-	-	-	-	-	-
United Kingdom .....	739	-	-	-	-	-	-	708	500	1,208
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	3,508	0	0	812	-	0	0	26	530	556
<b>Total</b> .....	<b>167,107</b>	<b>5,167</b>	<b>392</b>	<b>15,512</b>	<b>-</b>	<b>1,853</b>	<b>1,853</b>	<b>5,746</b>	<b>8,880</b>	<b>14,626</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>12,217</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	509	-	-	-	509
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	252	-	-	-	252
Saudi Arabia	--	--	-	-	-	-	78	-	-	-	78
United Arab Emirates	--	--	-	-	-	-	179	-	-	-	179
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	441	448	645	-	8,613	2	25	-	8,640
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	758	-	-	-	758
Brazil	--	--	441	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	203	-	-	3,507	2	25	-	3,534
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	-	-	-	218
Colombia	--	--	-	-	-	-	480	-	-	-	480
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	144	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	358	-	-	-	358
Indonesia	--	--	-	-	-	-	364	-	-	-	364
Italy	--	--	-	-	-	-	121	-	-	-	121
Korea, South	--	--	-	101	-	-	687	-	-	-	687
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	327	-	-	-	327
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	398	-	-	-	398
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	79	-	-	-	79
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	49	-	-	-	49
Russia	--	--	-	-	-	-	1,267	-	-	-	1,267
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	645	-	0	0	0	-	0
<b>Total</b>	--	--	441	448	645	-	9,122	2	25	-	9,149
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	306	-	-	-	306

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	945	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	231	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	306	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	320	—	—	—	—	—
United Arab Emirates	—	—	—	88	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	27	—	3,492	265	511	77	4,800	5,388
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	41	41
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	3	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	5	—	325	11	—	77	425	502
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	284	284
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	349	349
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	55	45	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	3,109	156	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	121	—	1,481	1,602
Netherlands	—	22	—	—	—	—	—	48	48
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	390	—	1,929	2,319
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	53	0	0	243	243
<b>Total</b>	—	27	—	4,437	265	511	77	4,800	5,388
<b>Persian Gulf<sup>6</sup></b>	—	—	—	714	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	128	—	1,768	18,968	573	59	632
Algeria	—	—	—	—	—	—	—	—	557	19	—	19
Angola	—	—	—	—	—	—	—	321	1,469	38	11	49
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	56	56	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	3,315	111	—	111
Kuwait	—	—	—	—	—	—	—	306	1,026	24	10	34
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	292	3,570	109	10	119
Saudi Arabia	—	—	—	—	—	—	—	398	8,580	273	13	286
United Arab Emirates	—	—	—	—	—	128	—	395	395	—	13	13
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	301	110	144	133	1,103	1,102	3	59,609	209,516	4,997	1,987	6,984
Argentina	—	30	—	96	—	—	—	205	566	12	7	19
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	41	41	—	1	1
Bahrain	—	—	—	—	—	53	—	53	53	—	2	2
Belgium	—	—	—	—	—	—	—	1,487	1,487	—	50	50
Brazil	—	—	—	—	—	—	—	1,161	4,969	127	39	166
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	78	63	71	31	1,064	259	3	16,388	128,610	3,741	546	4,287
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	30	—	—	—	—	248	248	—	8	8
Colombia	—	—	—	—	39	—	—	803	5,242	148	27	175
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	1,084	6,797	190	36	227
Egypt	—	—	—	—	—	—	—	1,378	1,378	—	46	46
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	651	651	—	22	22
France	—	17	—	—	—	13	—	847	847	—	28	28
Germany	—	—	—	—	—	21	—	195	195	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	1,692	1,692	—	56	56
Indonesia	—	—	—	—	—	147	—	511	511	—	17	17
Italy	—	—	—	—	—	5	—	421	421	—	14	14
Korea, South	41	—	1	—	—	334	—	5,323	5,323	—	177	177
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	320	320	—	11	11
Malaysia	—	—	—	—	—	—	—	327	327	—	11	11
Mexico	57	—	—	—	—	—	—	1,960	18,320	545	65	611
Netherlands	—	—	—	—	—	1	—	2,163	2,163	—	72	72
Norway	—	—	—	—	—	—	—	302	1,093	26	10	36
Oman	—	—	—	—	—	—	—	79	79	—	3	3
Portugal	—	—	—	—	—	—	—	561	561	—	19	19
Qatar	—	—	—	—	—	268	—	317	317	—	11	11
Russia	—	—	—	—	—	—	—	16,182	17,111	31	539	570
Spain	—	—	2	—	—	—	—	534	534	—	18	18
Sweden	—	—	—	6	—	—	—	690	690	—	23	23
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,037	35	—	35
United Kingdom	—	—	22	—	—	—	—	1,230	1,969	25	41	66
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	125	0	18	0	0	1	0	2,456	5,964	117	81	196
<b>Total</b>	<b>301</b>	<b>110</b>	<b>144</b>	<b>133</b>	<b>1,103</b>	<b>1,230</b>	<b>3</b>	<b>61,377</b>	<b>228,484</b>	<b>5,570</b>	<b>2,046</b>	<b>7,616</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>449</b>	<b>—</b>	<b>1,469</b>	<b>13,686</b>	<b>407</b>	<b>49</b>	<b>456</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>288,290</b>	<b>1,105</b>	<b>-</b>	<b>3,995</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>6,071</b>	<b>6,395</b>
Algeria .....	557	-	-	991	-	-	-	-	1,524	1,524
Angola .....	9,824	-	-	-	-	-	-	-	902	902
Congo (Brazzaville) .....	1,898	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	900	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	1,111	1,111
Iraq .....	62,131	-	-	-	-	-	-	-	-	-
Kuwait .....	7,546	-	-	717	-	-	-	-	-	-
Libya .....	3,115	-	-	3	-	-	-	-	-	-
Nigeria .....	22,465	-	-	615	-	-	-	-	926	926
Saudi Arabia .....	178,808	-	-	1,207	-	920	920	324	1,021	1,345
United Arab Emirates .....	1,946	205	-	462	-	-	-	-	587	587
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>1,685,426</b>	<b>44,851</b>	<b>5,024</b>	<b>181,984</b>	<b>-</b>	<b>34,849</b>	<b>34,849</b>	<b>56,578</b>	<b>97,028</b>	<b>153,606</b>
Argentina .....	12,409	-	-	98	-	138	138	-	391	391
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	1,007	-	-	-	-	-	-	-	248	248
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	3,638	-	1,261	1,261	1,869	2,383	4,252
Brazil .....	23,762	-	-	23	-	2,904	2,904	30	7,488	7,518
Brunei .....	5,429	-	-	-	-	-	-	-	-	-
Cameroon .....	6,470	-	-	-	-	-	-	-	-	-
Canada .....	1,198,546	43,423	4,864	1,591	-	5,469	5,469	33,134	11,364	44,498
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	84,743	-	-	2,766	-	108	108	-	1,149	1,149
Denmark .....	-	-	-	205	-	38	38	18	25	43
Ecuador .....	56,722	-	-	4,949	-	-	-	-	-	-
Egypt .....	1,019	-	-	5,904	-	250	250	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	221	-	232	232	63	4,315	4,378
France .....	-	-	-	-	-	3,594	3,594	2,521	35	2,556
Germany .....	-	-	-	653	-	67	67	73	659	732
Guatemala .....	1,113	-	-	-	-	-	-	-	-	-
India .....	-	-	-	413	-	333	333	60	19,709	19,769
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	346	-	-	2,445	-	105	105	278	5,021	5,299
Korea, South .....	-	-	-	-	-	1,920	1,920	591	3,116	3,707
Latvia .....	-	-	-	-	-	59	59	-	34	34
Lithuania .....	-	-	-	-	-	438	438	-	1,304	1,304
Malaysia .....	-	-	-	1,665	-	-	-	-	32	32
Mexico .....	219,709	-	160	11,944	-	-	-	506	1,110	1,616
Netherlands .....	-	-	-	1,356	-	3,744	3,744	7,198	8,558	15,756
Norway .....	4,464	992	-	1,116	-	375	375	435	2,282	2,717
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	425	-	5,760	5,760	980	1,154	2,134
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	25,458	-	-	131,444	-	2,026	2,026	765	8,443	9,208
Spain .....	-	-	-	1,111	-	2,970	2,970	217	4,967	5,184
Sweden .....	-	-	-	2,180	-	723	723	62	1,408	1,470
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	12,820	167	-	-	-	-	-	-	-	-
United Kingdom .....	8,280	234	-	2,763	-	1,077	1,077	7,752	5,767	13,519
Vietnam .....	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	22,515	35	0	5,074	-	1,258	1,258	26	6,066	6,092
<b>Total</b> .....	<b>1,973,716</b>	<b>45,956</b>	<b>5,024</b>	<b>185,979</b>	<b>-</b>	<b>35,769</b>	<b>35,769</b>	<b>56,902</b>	<b>103,099</b>	<b>160,001</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>250,431</b>	<b>205</b>	<b>-</b>	<b>2,386</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>2,719</b>	<b>3,043</b>

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	1,936	-	-	-	1,936
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	577	-	-	-	577
Saudi Arabia	--	--	-	-	-	-	405	-	-	-	405
United Arab Emirates	--	--	-	-	-	-	954	-	-	-	954
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	3,167	4,311	5,784	-	61,070	1,419	421	-	62,910
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	1,145	-	-	-	1,145
Brazil	--	--	3,167	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	2,519	-	-	40,997	330	158	-	41,485
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	308	-	-	526
Colombia	--	--	-	-	-	-	6,647	-	-	-	6,647
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	984	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,490	781	-	-	2,271
Indonesia	--	--	-	-	-	-	864	-	-	-	864
Italy	--	--	-	-	-	-	567	-	-	-	567
Korea, South	--	--	-	606	-	-	2,338	-	-	-	2,338
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	1,203	-	-	-	1,203
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	791	-	263	-	1,054
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	79	-	-	-	79
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	985	-	-	-	985
Russia	--	--	-	-	-	-	2,529	-	-	-	2,529
Spain	--	--	-	199	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	3	5,784	-	274	0	0	-	274
<b>Total</b>	--	--	3,167	4,311	5,784	-	63,006	1,419	421	-	64,846
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	2,344	-	-	-	2,344

See footnotes at end of table.



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
<b>OPEC</b>	—	—	—	4,517	320	11	282	982	1,275
Algeria	—	—	—	295	—	11	226	15	252
Angola	—	—	—	231	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	1,998	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	1,259	320	—	—	658	658
United Arab Emirates	—	—	—	692	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	343	245	—	46,033	4,126	2,517	12,937	40,932	56,386
Argentina	—	—	—	125	—	314	517	—	831
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	1,817	1,991
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	106	411	517
Brazil	—	—	—	3	385	35	1,160	754	1,949
Brunei	—	—	—	1,391	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	20	68	—	2,731	559	683	1,510	4,832	7,025
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	312	—	—	—	1	1
Colombia	—	—	—	336	—	6	50	895	951
Denmark	—	—	—	—	—	—	833	—	833
Ecuador	—	—	—	15	—	—	—	763	763
Egypt	—	—	—	—	—	—	—	2,896	2,896
Estonia	—	—	—	—	—	—	55	—	55
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	139	70	209
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	3,219	185	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	744	—	—	66	107	173
Korea, South	20	—	—	26,588	2,152	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	431	431
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	67	1,068	221	14,731	16,020
Netherlands	—	177	—	—	4	—	1,176	1,297	2,473
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	80	—	408	3,360	9,488	13,256
Spain	—	—	—	—	26	—	—	185	185
Sweden	—	—	—	—	—	—	1,114	—	1,114
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	607	29	—	692	94	786
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	303	0	—	8,706	627	3	840	1,958	2,801
<b>Total</b>	343	245	—	50,550	4,446	2,528	13,219	41,914	57,661
<b>Persian Gulf<sup>3</sup></b>	—	—	—	4,983	320	—	—	967	967

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1,304</b>	<b>—</b>	<b>21,847</b>	<b>310,137</b>	<b>861</b>	<b>65</b>	<b>926</b>
Algeria	—	—	—	—	—	—	—	3,062	3,619	2	9	11
Angola	—	—	—	—	—	—	—	1,133	10,957	29	3	33
Congo (Brazzaville)	—	—	—	—	—	—	—	4	1,902	6	0	6
Equatorial Guinea	—	—	—	—	—	—	—	900	900	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	1,111	1,111	—	3	3
Iraq	—	—	—	—	—	—	—	42	62,173	185	0	186
Kuwait	—	—	—	—	—	—	—	2,715	10,261	23	8	31
Libya	—	—	—	—	—	—	—	3	3,118	9	0	9
Nigeria	—	—	—	—	—	—	—	2,170	24,635	67	6	74
Saudi Arabia	77	—	3	—	—	36	—	6,230	185,038	534	19	552
United Arab Emirates	—	—	—	—	—	1,268	—	4,477	6,423	6	13	19
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>5,163</b>	<b>1,146</b>	<b>1,575</b>	<b>3,138</b>	<b>15,019</b>	<b>10,859</b>	<b>13</b>	<b>640,608</b>	<b>2,326,034</b>	<b>5,031</b>	<b>1,912</b>	<b>6,943</b>
Argentina	—	143	—	1,551	—	13	—	3,290	15,699	37	10	47
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	2,540	3,547	3	8	11
Bahrain	—	—	—	—	—	415	—	415	415	—	1	1
Belgium	8	—	—	—	—	155	—	10,977	10,977	—	33	33
Brazil	—	26	—	598	—	—	—	16,608	40,370	71	50	121
Brunei	—	—	—	—	—	—	—	1,391	6,820	16	4	20
Cameroon	—	—	—	—	—	—	—	—	6,470	19	—	19
Canada	910	767	682	387	13,146	2,325	13	172,482	1,371,028	3,578	515	4,093
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	304	—	—	—	—	1,143	1,143	—	3	3
Colombia	—	—	—	—	369	—	—	12,326	97,069	253	37	290
Denmark	—	—	—	—	—	—	—	1,119	1,119	—	3	3
Ecuador	—	—	—	—	—	—	—	5,727	62,449	169	17	186
Egypt	—	—	20	—	—	—	—	9,070	10,089	3	27	30
Estonia	—	—	—	—	—	—	—	55	55	—	0	0
Finland	—	—	—	—	—	20	—	5,000	5,000	—	15	15
France	3	210	10	—	—	84	—	6,771	6,771	—	20	20
Germany	—	—	15	229	—	139	—	3,086	3,086	—	9	9
Guatemala	—	—	—	—	—	—	—	5	1,118	3	0	3
India	—	—	—	—	—	—	—	26,190	26,190	—	78	78
Indonesia	—	—	—	—	—	1,048	—	1,912	1,912	—	6	6
Italy	—	—	48	—	141	176	—	9,698	10,044	1	29	30
Korea, South	167	—	9	—	—	2,991	—	40,498	40,498	—	121	121
Latvia	—	—	—	—	—	—	—	169	169	—	1	1
Lithuania	—	—	—	—	—	—	—	2,173	2,173	—	6	6
Malaysia	—	—	39	—	—	1	—	2,940	2,940	—	9	9
Mexico	1,820	—	—	—	—	—	—	31,708	251,417	656	95	750
Netherlands	919	—	—	130	—	405	—	26,074	26,074	—	78	78
Norway	1	—	—	—	—	—	—	5,327	9,791	13	16	29
Oman	—	—	—	200	—	—	—	279	279	—	1	1
Portugal	—	—	—	—	—	41	—	8,855	8,855	—	26	26
Qatar	—	—	—	—	—	2,855	—	4,832	4,832	—	14	14
Russia	—	—	—	—	—	28	—	158,571	184,029	76	473	549
Spain	—	—	12	—	422	38	—	10,787	10,787	—	32	32
Sweden	—	—	—	32	—	5	—	5,524	5,524	—	16	16
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	267	13,087	38	1	39
United Kingdom	83	—	119	8	—	113	—	19,338	27,618	25	58	82
Vietnam	—	—	—	—	—	—	—	—	614	2	—	2
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,252	0	317	3	941	7	0	33,461	55,976	68	100	170
<b>Total</b>	<b>5,240</b>	<b>1,146</b>	<b>1,578</b>	<b>3,138</b>	<b>15,019</b>	<b>12,163</b>	<b>13</b>	<b>662,455</b>	<b>2,636,171</b>	<b>5,892</b>	<b>1,977</b>	<b>7,869</b>
<b>Persian Gulf<sup>3</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>4,574</b>	<b>—</b>	<b>19,822</b>	<b>270,253</b>	<b>748</b>	<b>59</b>	<b>807</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>4,354</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>130</b>	<b>130</b>
Algeria .....	557	-	-	-	-	-	-	-	-	-
Angola .....	239	-	-	-	-	-	-	-	90	90
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	2,556	-	-	-	-	-	-	-	40	40
Saudi Arabia .....	1,002	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>9,587</b>	<b>1,233</b>	<b>221</b>	<b>3,040</b>	<b>-</b>	<b>1,361</b>	<b>1,361</b>	<b>5,746</b>	<b>7,467</b>	<b>13,213</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	91	221	312
Brazil .....	-	-	-	-	-	-	-	-	717	717
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	4,948	1,035	221	-	-	232	232	3,450	863	4,313
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	341	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	218	218	-	433	433
France .....	-	-	-	-	-	264	264	553	-	553
Germany .....	-	-	-	-	-	-	-	-	16	16
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	1,091	1,091
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	295	295
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	320	320
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	1,001	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	525	869	1,394
Norway .....	791	198	-	-	-	-	-	104	-	104
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	561	561	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	2,367	-	86	86	258	759	1,017
Spain .....	-	-	-	-	-	-	-	-	532	532
Sweden .....	-	-	-	332	-	-	-	31	321	352
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	338	-	-	-	-	-	-	708	500	1,208
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	2,509	0	0	0	-	0	0	26	530	556
<b>Total</b> .....	<b>13,941</b>	<b>1,233</b>	<b>221</b>	<b>3,040</b>	<b>-</b>	<b>1,361</b>	<b>1,361</b>	<b>5,746</b>	<b>7,597</b>	<b>13,343</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>1,002</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	509	-	-	-	509
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	252	-	-	-	252
Saudi Arabia	--	--	-	-	-	-	78	-	-	-	78
United Arab Emirates	--	--	-	-	-	-	179	-	-	-	179
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	255	-	-	8,090	2	-	-	8,092
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	758	-	-	-	758
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	111	-	-	2,984	2	-	-	2,986
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	-	-	-	218
Colombia	--	--	-	-	-	-	480	-	-	-	480
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	144	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	358	-	-	-	358
Indonesia	--	--	-	-	-	-	364	-	-	-	364
Italy	--	--	-	-	-	-	121	-	-	-	121
Korea, South	--	--	-	-	-	-	687	-	-	-	687
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	327	-	-	-	327
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	398	-	-	-	398
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	79	-	-	-	79
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	49	-	-	-	49
Russia	--	--	-	-	-	-	1,267	-	-	-	1,267
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	-	-	0
<b>Total</b>	--	--	-	255	-	-	8,599	2	-	-	8,601
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	306	-	-	-	306

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	945	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	231	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	306	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	320	—	—	—	—	—
United Arab Emirates	—	—	—	88	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	23	—	650	4	—	—	1,078	1,078
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	41	41
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	3	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	273	4	—	—	270	270
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	284	284
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	55	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	319	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	430	430
Netherlands	—	22	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	—	—	53	53
<b>Total</b>	—	23	—	1,595	4	—	—	1,078	1,078
<b>Persian Gulf<sup>6</sup></b>	—	—	—	714	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	—	—	1,584	5,938	145	53	198
Algeria	—	—	—	—	—	—	—	—	557	19	—	19
Angola	—	—	—	—	—	—	—	321	560	8	11	19
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	306	306	—	10	10
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	292	2,848	85	10	95
Saudi Arabia	—	—	—	—	—	—	—	398	1,400	33	13	47
United Arab Emirates	—	—	—	—	—	—	—	267	267	—	9	9
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	2	91	6	565	104	2	29,940	39,527	320	998	1,318
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	41	41	—	1	1
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	1,070	1,070	—	36	36
Brazil	—	—	—	—	—	—	—	720	720	—	24	24
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	2	58	—	526	72	2	10,106	15,054	165	337	502
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	30	—	—	—	—	248	248	—	8	8
Colombia	—	—	—	—	39	—	—	803	803	—	27	27
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	341	341	—	11	11
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	651	651	—	22	22
France	—	—	—	—	—	10	—	827	827	—	28	28
Germany	—	—	—	—	—	19	—	179	179	—	6	6
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	1,504	1,504	—	50	50
Indonesia	—	—	—	—	—	—	—	364	364	—	12	12
Italy	—	—	—	—	—	1	—	417	417	—	14	14
Korea, South	—	—	1	—	—	—	—	1,007	1,007	—	34	34
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	320	320	—	11	11
Malaysia	—	—	—	—	—	—	—	327	327	—	11	11
Mexico	—	—	—	—	—	—	—	430	1,431	33	14	48
Netherlands	—	—	—	—	—	1	—	1,815	1,815	—	61	61
Norway	—	—	—	—	—	—	—	302	1,093	26	10	36
Oman	—	—	—	—	—	—	—	79	79	—	3	3
Portugal	—	—	—	—	—	—	—	561	561	—	19	19
Qatar	—	—	—	—	—	—	—	49	49	—	2	2
Russia	—	—	—	—	—	—	—	4,737	4,737	—	158	158
Spain	—	—	2	—	—	—	—	534	534	—	18	18
Sweden	—	—	—	6	—	—	—	690	690	—	23	23
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	1,208	1,546	11	40	52
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	—	0	0	0	0	1	0	610	3,119	85	18	101
<b>Total</b>	—	2	91	6	565	104	2	31,524	45,465	465	1,051	1,516
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	—	—	1,020	2,022	33	34	67

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>72,621</b>	<b>1,886</b>	<b>171</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21</b>	<b>21</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	72,621	1,886	171	-	-	-	-	-	21	21
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	-	0	0
<b>Total</b> .....	<b>72,621</b>	<b>1,886</b>	<b>171</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21</b>	<b>21</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.



**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	63	-	-	191	-	25	-	216
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	63	-	-	191	-	25	-	216
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
<b>Total</b>	--	--	-	63	-	-	191	-	25	-	216
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	4	-	15	7	-	14	77	91
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	4	-	15	7	-	14	77	91
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	-	0	0	0
<b>Total</b> .....	-	4	-	15	7	-	14	77	91
<b>Persian Gulf<sup>6</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>78</b>	<b>61</b>	<b>13</b>	<b>31</b>	<b>479</b>	<b>180</b>	<b>—</b>	<b>3,316</b>	<b>75,937</b>	<b>2,421</b>	<b>111</b>	<b>2,531</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	78	61	13	31	479	180	—	3,316	75,937	2,421	111	2,531
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	0
<b>Total</b> .....	<b>78</b>	<b>61</b>	<b>13</b>	<b>31</b>	<b>479</b>	<b>180</b>	<b>—</b>	<b>3,316</b>	<b>75,937</b>	<b>2,421</b>	<b>111</b>	<b>2,531</b>
<b>Persian Gulf<sup>§</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>6,839</b>	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	959	-	-	-	-	-	-	-	-	-
Kuwait	720	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	5,160	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>40,653</b>	-	-	<b>11,754</b>	-	-	-	-	<b>485</b>	<b>485</b>
Argentina	-	-	-	-	-	-	-	-	79	79
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	417	-	-	-	-	-	-
Brazil	972	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	18,892	-	-	167	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	2,965	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	743	-	-	-	-	-	-
Egypt	-	-	-	1,029	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	14	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	15,186	-	-	301	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	300	300
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	201	-	-	8,271	-	-	-	-	106	106
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	1,037	-	-	-	-	-	-	-	-	-
United Kingdom	401	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	999	-	-	812	-	-	-	-	0	0
<b>Total</b>	<b>47,492</b>	-	-	<b>11,754</b>	-	-	-	-	<b>485</b>	<b>485</b>
<b>Persian Gulf<sup>3</sup></b>	<b>6,839</b>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	-	-	-	-	-	-	-	-
<b>Total</b>	--	--	-	-	-	-	-	-	-	-	-
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	-	254	511	1	3,572	4,084
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	-	-	1	5	6
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	349	349
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	45	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	156	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	121	-	1,051	1,172
Netherlands .....	-	-	-	-	-	-	-	48	48
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	390	-	1,929	2,319
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	53	0	0	190	190
<b>Total</b> .....	-	-	-	-	254	511	1	3,572	4,084
<b>Persian Gulf<sup>6</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	128	—	128	6,967	228	4	232
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	959	32	—	32
Kuwait	—	—	—	—	—	—	—	—	720	24	—	24
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	5,160	172	—	172
United Arab Emirates	—	—	—	—	—	128	—	128	128	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	186	47	34	96	1	814	—	17,758	58,411	1,355	592	1,947
Argentina	—	30	—	96	—	—	—	205	205	—	7	7
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	53	—	53	53	—	2	2
Belgium	—	—	—	—	—	—	—	417	417	—	14	14
Brazil	—	—	—	—	—	—	—	—	972	32	—	32
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	1	4	—	178	19,070	630	6	636
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	2,965	99	—	99
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	743	743	—	25	25
Egypt	—	—	—	—	—	—	—	1,378	1,378	—	46	46
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	17	—	—	—	3	—	20	20	—	1	1
Germany	—	—	—	—	—	2	—	16	16	—	1	1
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	45	45	—	2	2
Indonesia	—	—	—	—	—	147	—	147	147	—	5	5
Italy	—	—	—	—	—	4	—	4	4	—	0	0
Korea, South	41	—	—	—	—	333	—	530	530	—	18	18
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	57	—	—	—	—	—	—	1,530	16,716	506	51	557
Netherlands	—	—	—	—	—	—	—	348	348	—	12	12
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	268	—	268	268	—	9	9
Russia	—	—	—	—	—	—	—	10,696	10,897	7	357	363
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	1,037	35	—	35
United Kingdom	—	—	22	—	—	—	—	22	423	13	1	14
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	88	0	12	0	0	0	—	1,158	2,157	33	35	69
<b>Total</b>	186	47	34	96	1	942	—	17,886	65,378	1,583	596	2,179
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	449	—	449	7,288	228	15	243

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	8,867	594	-	-	-	-	-	-	30	30
Canada .....	8,867	594	-	-	-	-	-	-	30	30
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	-	-	-	0	0
Total .....	8,867	594	-	-	-	-	-	-	30	30
	PAD District 5									
OPEC .....	6,007	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	909	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	2,356	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	722	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	2,020	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	18,179	1,398	-	718	-	492	492	-	747	747
Argentina .....	361	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	2,836	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	6,894	1,398	-	14	-	151	151	-	6	6
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,474	-	-	-	-	-	-	-	-	-
Ecuador .....	5,713	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	341	341	-	553	553
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	173	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	728	0	-	704	-	0	0	-	188	188
Total .....	24,186	1,454	-	718	-	492	492	-	747	747
Persian Gulf <sup>3</sup> .....	4,376	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
<b>PAD District 4</b>											
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	22	-	-	91	-	-	-	91
Canada	--	--	-	22	-	-	91	-	-	-	91
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
<b>Total</b>	--	--	-	22	-	-	91	-	-	-	91
<b>PAD District 5</b>											
<b>OPEC</b>	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	441	108	645	-	241	-	-	-	241
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	441	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	7	-	-	241	-	-	-	241
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	101	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	645	-	0	-	-	-	0
<b>Total</b>	--	--	441	108	645	-	241	-	-	-	241
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	Kerosene	Finished Aviation Gasoline							
	PAD District 4								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	14	-	-	-	-	-
Canada	-	-	-	14	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	-	-	-
Total	-	-	-	14	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	2,813	-	-	62	73	135
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	-	-	23	-	-	62	73	135
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	2,790	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0
Total	-	-	-	2,813	-	-	62	73	135
Persian Gulf <sup>3</sup>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	-	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	-	28	-	1	780	9,647	296	26	322
Canada .....	-	-	-	-	28	-	1	780	9,647	296	26	322
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	0	-	0	0	0	0	0	0
Total .....	-	-	-	-	28	-	1	780	9,647	296	26	322
	PAD District 5											
OPEC .....	-	-	-	-	-	-	-	56	6,063	200	2	202
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	909	30	-	30
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	2,356	79	-	79
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	722	24	-	24
Saudi Arabia .....	-	-	-	-	-	-	-	-	2,020	67	-	67
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	37	-	6	-	30	4	-	7,815	25,994	606	261	866
Argentina .....	-	-	-	-	-	-	-	-	361	12	-	12
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	441	3,277	95	15	109
Brunei .....	-	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	-	30	3	-	2,008	8,902	230	67	297
China .....	-	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	1,474	49	-	49
Ecuador .....	-	-	-	-	-	-	-	-	5,713	190	-	190
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	1	-	3,786	3,786	-	126	126
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	173	6	-	6
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	645	645	-	22	22
Sweden .....	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	37	-	6	-	-	-	-	43	43	-	1	1
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	-	0	-	0	0	-	892	1,620	24	30	54
Total .....	37	-	6	-	30	4	-	7,871	32,057	806	262	1,069
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	-	4,376	146	-	146

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
<b>OPEC</b> .....	<b>41,408</b>	<b>672</b>	<b>-</b>	<b>1,875</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>5,837</b>	<b>6,161</b>
Algeria .....	557	-	-	796	-	-	-	-	1,524	1,524
Angola .....	2,219	-	-	-	-	-	-	-	902	902
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	523	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	877	877
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	2	-	-	-	-	-	-
Nigeria .....	18,878	-	-	615	-	-	-	-	926	926
Saudi Arabia .....	19,754	-	-	-	-	920	920	324	1,021	1,345
United Arab Emirates .....	-	-	-	462	-	-	-	-	587	587
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>106,429</b>	<b>8,978</b>	<b>2,601</b>	<b>22,305</b>	<b>-</b>	<b>28,305</b>	<b>28,305</b>	<b>55,458</b>	<b>74,517</b>	<b>129,975</b>
Argentina .....	2,626	-	-	-	-	39	39	-	54	54
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	248	248
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	105	-	587	587	1,706	2,162	3,868
Brazil .....	506	-	-	-	-	2,824	2,824	30	4,865	4,895
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	5,848	-	-	-	-	-	-	-	-	-
Canada .....	52,208	7,752	2,601	130	-	3,949	3,949	33,134	8,305	41,439
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	1,497	-	-	336	-	108	108	-	1,149	1,149
Denmark .....	-	-	-	-	-	6	6	18	25	43
Ecuador .....	-	-	-	522	-	-	-	-	-	-
Egypt .....	1,019	-	-	-	-	250	250	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	169	-	218	218	63	3,523	3,586
France .....	-	-	-	-	-	3,570	3,570	2,521	35	2,556
Germany .....	-	-	-	282	-	67	67	73	564	637
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	60	-	333	333	60	15,084	15,144
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	284	-	105	105	278	3,425	3,703
Korea, South .....	-	-	-	-	-	-	-	273	350	623
Latvia .....	-	-	-	-	-	59	59	-	34	34
Lithuania .....	-	-	-	-	-	104	104	-	980	980
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	9,236	-	-	5,845	-	-	-	506	-	506
Netherlands .....	-	-	-	-	-	3,015	3,015	6,559	8,065	14,624
Norway .....	3,695	992	-	-	-	265	265	435	2,282	2,717
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	425	-	5,757	5,757	980	1,037	2,017
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	14,033	-	-	9,872	-	1,971	1,971	765	7,738	8,503
Spain .....	-	-	-	846	-	2,659	2,659	217	4,367	4,584
Sweden .....	-	-	-	1,394	-	658	658	62	1,153	1,215
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,516	-	-	-	-	-	-	-	-	-
United Kingdom .....	3,401	-	-	1,622	-	862	862	7,752	5,099	12,851
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	10,844	234	0	413	-	899	899	26	3,973	3,999
<b>Total</b> .....	<b>147,837</b>	<b>9,650</b>	<b>2,601</b>	<b>24,180</b>	<b>-</b>	<b>29,225</b>	<b>29,225</b>	<b>55,782</b>	<b>80,354</b>	<b>136,136</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>19,754</b>	<b>149</b>	<b>-</b>	<b>462</b>	<b>-</b>	<b>920</b>	<b>920</b>	<b>324</b>	<b>2,485</b>	<b>2,809</b>

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-	-	-	-	1,936	-	-	-	1,936
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	577	-	-	-	577
Saudi Arabia	--	--	-	-	-	-	405	-	-	-	405
United Arab Emirates	--	--	-	-	-	-	954	-	-	-	954
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-	1,889	-	-	52,201	1,111	263	-	53,575
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	301	-	-	-	301
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	1,145	-	-	-	1,145
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	955	-	-	33,037	330	-	-	33,367
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	218	-	-	-	218
Colombia	--	--	-	-	-	-	6,647	-	-	-	6,647
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	913	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,490	781	-	-	2,271
Indonesia	--	--	-	-	-	-	864	-	-	-	864
Italy	--	--	-	-	-	-	567	-	-	-	567
Korea, South	--	--	-	21	-	-	1,705	-	-	-	1,705
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	1,203	-	-	-	1,203
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	791	-	263	-	1,054
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	79	-	-	-	79
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	985	-	-	-	985
Russia	--	--	-	-	-	-	2,529	-	-	-	2,529
Spain	--	--	-	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
<b>Total</b>	--	--	-	1,889	-	-	54,137	1,111	263	-	55,511
<b>Persian Gulf<sup>3</sup></b>	--	--	-	-	-	-	2,344	-	-	-	2,344

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	4,418	—	11	266	—	277
Algeria .....	—	—	—	295	—	11	210	—	221
Angola .....	—	—	—	231	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	4	—	4
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	42	—	—	—	—	—
Kuwait .....	—	—	—	1,998	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	52	—	52
Saudi Arabia .....	—	—	—	1,160	—	—	—	—	—
United Arab Emirates .....	—	—	—	692	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	303	61	—	11,425	18	1,094	6,617	7,618	15,329
Argentina .....	—	—	—	—	—	314	294	—	608
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	174	500	674
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	104	—	104
Brazil .....	—	—	—	3	—	35	124	37	196
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	11	—	2,339	18	683	446	2,856	3,985
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	336	—	6	33	891	930
Denmark .....	—	—	—	—	—	—	833	—	833
Ecuador .....	—	—	—	15	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	55	—	55
Finland .....	—	—	—	—	—	—	149	—	149
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	139	70	209
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	2,754	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	529	—	—	36	—	36
Korea, South .....	—	—	—	3,086	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	83	83
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	79	—	35	215	1,850	2,100
Netherlands .....	—	50	—	—	—	—	1,149	773	1,922
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	495	—	495
Qatar .....	—	—	—	992	—	—	—	—	—
Russia .....	—	—	—	—	—	18	220	153	391
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	1,114	—	1,114
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	100	—	—	—	—	—
United Kingdom .....	—	—	—	607	—	—	692	—	692
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	303	0	—	585	0	3	345	405	753
<b>Total</b> .....	303	61	—	15,843	18	1,105	6,883	7,618	15,606
<b>Persian Gulf<sup>§</sup></b> .....	—	—	—	4,884	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	145	—	16,404	57,812	124	49	173
Algeria	—	—	—	—	—	—	—	2,836	3,393	2	8	10
Angola	—	—	—	—	—	—	—	1,133	3,352	7	3	10
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	523	523	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	877	877	—	3	3
Iraq	—	—	—	—	—	—	—	42	42	—	0	0
Kuwait	—	—	—	—	—	—	—	1,998	1,998	—	6	6
Libya	—	—	—	—	—	—	—	2	2	—	0	0
Nigeria	—	—	—	—	—	—	—	2,170	21,048	56	6	63
Saudi Arabia	—	—	—	—	—	—	—	3,830	23,584	59	11	70
United Arab Emirates	—	—	—	—	—	145	—	2,989	2,989	—	9	9
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	870	9	808	35	9,092	1,194	2	286,774	393,203	318	856	1,174
Argentina	—	—	—	—	—	1	—	702	3,328	8	2	10
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,223	1,223	—	4	4
Bahrain	—	—	—	—	—	23	—	23	23	—	0	0
Belgium	8	—	—	—	—	80	—	5,897	5,897	—	18	18
Brazil	—	—	—	1	—	—	—	7,919	8,425	2	24	25
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	5,848	17	—	17
Canada	—	9	569	2	7,284	775	2	105,187	157,395	156	314	470
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	107	—	—	—	—	325	325	—	1	1
Colombia	—	—	—	—	369	—	—	9,875	11,372	4	29	34
Denmark	—	—	—	—	—	—	—	882	882	—	3	3
Ecuador	—	—	—	—	—	—	—	537	537	—	2	2
Egypt	—	—	20	—	—	—	—	270	1,289	3	1	4
Estonia	—	—	—	—	—	—	—	55	55	—	0	0
Finland	—	—	—	—	—	—	—	4,122	4,122	—	12	12
France	3	—	—	—	—	58	—	6,187	6,187	—	18	18
Germany	—	—	15	—	—	109	—	2,232	2,232	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	20,562	20,562	—	61	61
Indonesia	—	—	—	—	—	—	—	864	864	—	3	3
Italy	—	—	—	—	141	14	—	5,379	5,379	—	16	16
Korea, South	—	—	9	—	—	91	—	5,535	5,535	—	17	17
Latvia	—	—	—	—	—	—	—	93	93	—	0	0
Lithuania	—	—	—	—	—	—	—	1,167	1,167	—	3	3
Malaysia	—	—	1	—	—	1	—	1,205	1,205	—	4	4
Mexico	—	—	—	—	—	—	—	8,530	17,766	28	25	53
Netherlands	846	—	—	—	—	9	—	21,520	21,520	—	64	64
Norway	1	—	—	—	—	—	—	3,975	7,670	11	12	23
Oman	—	—	—	—	—	—	—	79	79	—	0	0
Portugal	—	—	—	—	—	—	—	8,694	8,694	—	26	26
Qatar	—	—	—	—	—	—	—	1,977	1,977	—	6	6
Russia	—	—	—	—	—	28	—	23,294	37,327	42	70	111
Spain	—	—	12	—	422	—	—	9,163	9,163	—	27	27
Sweden	—	—	—	29	—	2	—	4,412	4,412	—	13	13
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	100	1,616	5	0	5
United Kingdom	12	—	—	—	—	—	—	16,880	20,281	10	50	61
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	75	3	876	3	0	7,909	18,753	32	24	56
<b>Total</b>	<b>870</b>	<b>9</b>	<b>808</b>	<b>35</b>	<b>9,092</b>	<b>1,339</b>	<b>2</b>	<b>303,178</b>	<b>451,015</b>	<b>441</b>	<b>905</b>	<b>1,346</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>168</b>	<b>—</b>	<b>11,736</b>	<b>31,490</b>	<b>59</b>	<b>35</b>	<b>94</b>

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

3 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>801,590</b>	<b>18,118</b>	<b>2,202</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,131</b>	<b>2,131</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	800,613	18,118	2,202	168	-	37	37	-	2,131	2,131
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	500	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	477	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	0	-	0	0	-	0	0
<b>Total</b> .....	<b>801,590</b>	<b>18,118</b>	<b>2,202</b>	<b>168</b>	<b>-</b>	<b>37</b>	<b>37</b>	<b>-</b>	<b>2,131</b>	<b>2,131</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	1,065	-	-	2,139	-	150	-	2,289
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	-	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	1,065	-	-	2,055	-	150	-	2,205
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	-	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	-	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	-	-	-	-	-
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Russia .....	--	--	-	-	-	-	-	-	-	-	-
Spain .....	--	--	-	-	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	0	-	-	84	-	0	-	84
<b>Total</b> .....	--	--	-	1,065	-	-	2,139	-	150	-	2,289
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	40	-	15	70	-	416	516	932
Argentina .....	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-
Canada .....	-	40	-	15	70	-	416	516	932
Chad .....	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	-	0	0	-	0	0	0
<b>Total</b> .....	-	40	-	15	70	-	416	516	932
<b>Persian Gulf<sup>6</sup></b> .....	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	—	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>910</b>	<b>758</b>	<b>145</b>	<b>270</b>	<b>4,806</b>	<b>1,482</b>	<b>—</b>	<b>35,438</b>	<b>837,028</b>	<b>2,393</b>	<b>106</b>	<b>2,499</b>
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	2	—	2	2	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	910	758	113	266	4,806	1,462	—	35,298	835,911	2,390	105	2,495
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	18	—	—	—	—	18	18	—	0	0
Colombia	—	—	—	—	—	—	—	—	500	1	—	1
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	12	—	12	12	—	0	0
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	1	—	2	—	3	3	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	477	1	—	1
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	3	—	3	—	6	6	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	14	0	0	1	—	99	99	1	1	2
<b>Total</b>	<b>910</b>	<b>758</b>	<b>145</b>	<b>270</b>	<b>4,806</b>	<b>1,482</b>	<b>—</b>	<b>35,438</b>	<b>837,028</b>	<b>2,393</b>	<b>106</b>	<b>2,499</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>130,821</b>	<b>-</b>	<b>-</b>	<b>2,106</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>234</b>	<b>234</b>
Algeria	-	-	-	182	-	-	-	-	-	-
Angola	950	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	234	234
Iraq	17,577	-	-	-	-	-	-	-	-	-
Kuwait	4,133	-	-	717	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	108,161	-	-	1,206	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	<b>475,903</b>	<b>35</b>	<b>160</b>	<b>145,159</b>	<b>-</b>	<b>594</b>	<b>594</b>	<b>-</b>	<b>13,682</b>	<b>13,682</b>
Argentina	1,896	-	-	11	-	99	99	-	337	337
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,533	-	-	-	-	221	221
Brazil	13,526	-	-	23	-	23	23	-	2,564	2,564
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	622	-	-	-	-	-	-	-	-	-
Canada	164,065	-	-	1,074	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	66,020	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	152	-	-	-	-	-	-
Ecuador	6,133	-	-	4,257	-	-	-	-	-	-
Egypt	-	-	-	5,904	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	52	-	14	14	-	792	792
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	316	-	-	-	-	95	95
Guatemala	1,113	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,978	2,978
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,778	-	-	-	-	1,596	1,596
Korea, South	-	-	-	-	-	-	-	-	309	309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	324	324
Malaysia	-	-	-	996	-	-	-	-	-	-
Mexico	200,322	-	160	4,241	-	-	-	-	1,110	1,110
Netherlands	-	-	-	1,356	-	54	54	-	493	493
Norway	-	-	-	1,116	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	117	117
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	4,358	-	-	112,853	-	55	55	-	660	660
Spain	-	-	-	234	-	305	305	-	600	600
Sweden	-	-	-	786	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	8,065	-	-	-	-	-	-	-	-	-
United Kingdom	3,411	-	-	1,141	-	-	-	-	105	105
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	5,019	35	0	3,836	-	44	44	-	1,126	1,126
<b>Total</b>	<b>606,724</b>	<b>35</b>	<b>160</b>	<b>147,265</b>	<b>-</b>	<b>594</b>	<b>594</b>	<b>-</b>	<b>13,916</b>	<b>13,916</b>
<b>Persian Gulf<sup>3</sup></b>	<b>129,871</b>	<b>-</b>	<b>-</b>	<b>1,923</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>234</b>	<b>234</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	--	--	-	-	-	-	-	-	-	-	-
Algeria .....	--	--	-	-	-	-	-	-	-	-	-
Angola .....	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	--	--	-	-	-	-	-	-	-	-	-
Gabon .....	--	--	-	-	-	-	-	-	-	-	-
Iran .....	--	--	-	-	-	-	-	-	-	-	-
Iraq .....	--	--	-	-	-	-	-	-	-	-	-
Kuwait .....	--	--	-	-	-	-	-	-	-	-	-
Libya .....	--	--	-	-	-	-	-	-	-	-	-
Nigeria .....	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	--	--	-	-	-	-	-	-	-	-	-
Venezuela .....	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	--	--	-	273	-	-	47	-	-	-	47
Argentina .....	--	--	-	-	-	-	-	-	-	-	-
Aruba .....	--	--	-	-	-	-	-	-	-	-	-
Australia .....	--	--	-	-	-	-	-	-	-	-	-
Bahamas .....	--	--	-	-	-	-	-	-	-	-	-
Bahrain .....	--	--	-	-	-	-	-	-	-	-	-
Belgium .....	--	--	-	-	-	-	-	-	-	-	-
Brazil .....	--	--	-	-	-	-	-	-	-	-	-
Brunei .....	--	--	-	-	-	-	-	-	-	-	-
Cameroon .....	--	--	-	-	-	-	-	-	-	-	-
Canada .....	--	--	-	-	-	-	45	-	-	-	45
Chad .....	--	--	-	-	-	-	-	-	-	-	-
China .....	--	--	-	-	-	-	-	-	-	-	-
Colombia .....	--	--	-	-	-	-	-	-	-	-	-
Denmark .....	--	--	-	-	-	-	-	-	-	-	-
Ecuador .....	--	--	-	-	-	-	-	-	-	-	-
Egypt .....	--	--	-	-	-	-	-	-	-	-	-
Estonia .....	--	--	-	-	-	-	-	-	-	-	-
Finland .....	--	--	-	-	-	-	-	-	-	-	-
France .....	--	--	-	-	-	-	-	-	-	-	-
Germany .....	--	--	-	71	-	-	-	-	-	-	-
Guatemala .....	--	--	-	-	-	-	-	-	-	-	-
India .....	--	--	-	-	-	-	-	-	-	-	-
Indonesia .....	--	--	-	-	-	-	-	-	-	-	-
Italy .....	--	--	-	-	-	-	-	-	-	-	-
Korea, South .....	--	--	-	-	-	-	-	-	-	-	-
Latvia .....	--	--	-	-	-	-	-	-	-	-	-
Lithuania .....	--	--	-	-	-	-	-	-	-	-	-
Malaysia .....	--	--	-	-	-	-	-	-	-	-	-
Mexico .....	--	--	-	-	-	-	2	-	-	-	2
Netherlands .....	--	--	-	-	-	-	-	-	-	-	-
Norway .....	--	--	-	-	-	-	-	-	-	-	-
Oman .....	--	--	-	-	-	-	-	-	-	-	-
Portugal .....	--	--	-	-	-	-	-	-	-	-	-
Qatar .....	--	--	-	-	-	-	-	-	-	-	-
Russia .....	--	--	-	-	-	-	-	-	-	-	-
Spain .....	--	--	-	199	-	-	-	-	-	-	-
Sweden .....	--	--	-	-	-	-	-	-	-	-	-
Syria .....	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	--	--	-	-	-	-	-	-	-	-	-
United Kingdom .....	--	--	-	-	-	-	-	-	-	-	-
Vietnam .....	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	--	--	-	-	-	-	-	-	-	-	-
Yemen .....	--	--	-	-	-	-	-	-	-	-	-
Other .....	--	--	-	3	-	-	0	-	-	-	0
<b>Total</b> .....	--	--	-	273	-	-	47	-	-	-	47
<b>Persian Gulf<sup>3</sup></b> .....	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b>	—	—	—	50	320	—	16	979	995
Algeria	—	—	—	—	—	—	16	15	31
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	50	320	—	—	655	655
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	—	127	—	2,461	4,038	1,423	5,034	30,200	36,657
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	2	411	413
Brazil	—	—	—	—	385	—	1,036	717	1,753
Brunei	—	—	—	314	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	471	—	1	406	407
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	17	4	21
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	2,896	2,896
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	34	—	280	—	280
Germany	—	—	—	—	58	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	465	185	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	215	—	—	30	48	78
Korea, South	—	—	—	1,288	2,152	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	348	348
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	67	1,033	6	12,881	13,920
Netherlands	—	127	—	—	4	—	27	524	551
Norway	—	—	—	—	—	—	—	126	126
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	80	—	390	3,140	9,268	12,798
Spain	—	—	—	—	26	—	—	118	118
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	—	—	94	94
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	99	627	0	495	1,333	1,828
<b>Total</b>	—	127	—	2,511	4,358	1,423	5,050	31,179	37,652
<b>Persian Gulf<sup>6</sup></b>	—	—	—	50	320	—	—	964	964

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>1,159</b>	<b>—</b>	<b>4,944</b>	<b>135,765</b>	<b>391</b>	<b>15</b>	<b>405</b>
Algeria	—	—	—	—	—	—	—	213	213	—	1	1
Angola	—	—	—	—	—	—	—	—	950	3	—	3
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	234	234	—	1	1
Iraq	—	—	—	—	—	—	—	—	17,577	52	—	52
Kuwait	—	—	—	—	—	—	—	717	4,850	12	2	14
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	77	—	3	—	—	36	—	2,347	110,508	323	7	330
United Arab Emirates	—	—	—	—	—	1,123	—	1,432	1,432	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b>	<b>3,104</b>	<b>379</b>	<b>332</b>	<b>2,714</b>	<b>123</b>	<b>7,984</b>	<b>—</b>	<b>217,945</b>	<b>693,848</b>	<b>1,421</b>	<b>651</b>	<b>2,071</b>
Argentina	—	143	—	1,551	—	12	—	2,153	4,049	6	6	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	1,957	3	3	6
Bahrain	—	—	—	—	—	392	—	392	392	—	1	1
Belgium	—	—	—	—	—	73	—	4,241	4,241	—	13	13
Brazil	—	26	—	597	—	—	—	5,406	18,932	40	16	57
Brunei	—	—	—	—	—	—	—	314	314	—	1	1
Cameroon	—	—	—	—	—	—	—	—	622	2	—	2
Canada	—	—	—	—	58	27	—	2,082	166,147	490	6	496
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	41	—	—	—	—	41	41	—	0	0
Colombia	—	—	—	—	—	—	—	1,521	67,541	197	5	202
Denmark	—	—	—	—	—	—	—	152	152	—	0	0
Ecuador	—	—	—	—	—	—	—	4,257	10,390	18	13	31
Egypt	—	—	—	—	—	—	—	8,800	8,800	—	26	26
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	8	—	866	866	—	3	3
France	—	210	10	—	—	26	—	560	560	—	2	2
Germany	—	—	—	228	—	28	—	796	796	—	2	2
Guatemala	—	—	—	—	—	—	—	—	1,113	3	—	3
India	—	—	—	—	—	—	—	3,628	3,628	—	11	11
Indonesia	—	—	—	—	—	1,048	—	1,048	1,048	—	3	3
Italy	—	—	48	—	—	162	—	3,877	4,223	1	12	13
Korea, South	167	—	—	—	—	2,808	—	6,724	6,724	—	20	20
Latvia	—	—	—	—	—	—	—	76	76	—	0	0
Lithuania	—	—	—	—	—	—	—	672	672	—	2	2
Malaysia	—	—	37	—	—	—	—	1,033	1,033	—	3	3
Mexico	1,820	—	—	—	—	—	—	21,320	221,642	598	64	662
Netherlands	—	—	—	130	—	396	—	3,167	3,167	—	9	9
Norway	—	—	—	—	—	—	—	1,242	1,242	—	4	4
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	41	—	158	158	—	0	0
Qatar	—	—	—	—	—	2,809	—	2,809	2,809	—	8	8
Russia	—	—	—	—	—	—	—	126,446	130,804	13	377	390
Spain	—	—	—	—	—	38	—	1,520	1,520	—	5	5
Sweden	—	—	—	—	—	—	—	1,041	1,041	—	3	3
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	8,065	24	—	24
United Kingdom	71	—	119	8	—	113	—	1,680	5,091	10	5	15
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,046	0	77	0	65	3	—	8,773	13,792	16	27	41
<b>Total</b>	<b>3,181</b>	<b>379</b>	<b>335</b>	<b>2,714</b>	<b>123</b>	<b>9,143</b>	<b>—</b>	<b>222,889</b>	<b>829,613</b>	<b>1,811</b>	<b>665</b>	<b>2,476</b>
<b>Persian Gulf<sup>6</sup></b>	<b>77</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>4,360</b>	<b>—</b>	<b>7,931</b>	<b>137,802</b>	<b>388</b>	<b>24</b>	<b>411</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	100,686	3,985	-	-	-	26	26	-	798	798
Canada .....	100,686	3,985	-	-	-	26	26	-	798	798
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	-	-	0	0	-	0	0
Total .....	100,686	3,985	-	-	-	26	26	-	798	798
	PAD District 5									
OPEC .....	116,061	-	-	14	-	-	-	-	-	-
Algeria .....	-	-	-	13	-	-	-	-	-	-
Angola .....	6,655	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	3,796	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	44,554	-	-	-	-	-	-	-	-	-
Kuwait .....	3,413	-	-	-	-	-	-	-	-	-
Libya .....	3,115	-	-	-	-	-	-	-	-	-
Nigeria .....	3,587	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	50,893	-	-	1	-	-	-	-	-	-
United Arab Emirates .....	1,946	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	200,818	13,735	61	14,352	-	5,887	5,887	1,120	5,900	7,020
Argentina .....	7,887	-	-	87	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	9,730	-	-	-	-	57	57	-	59	59
Brunei .....	5,429	-	-	-	-	-	-	-	-	-
Canada .....	80,974	13,568	61	219	-	1,457	1,457	-	130	130
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	16,726	-	-	930	-	-	-	-	-	-
Ecuador .....	50,589	-	-	170	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	55	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	286	-	-	-	-	604	604
Korea, South .....	-	-	-	-	-	1,920	1,920	318	2,457	2,775
Malaysia .....	-	-	-	669	-	-	-	-	32	32
Mexico .....	9,674	-	-	1,858	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	675	675	639	-	639
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	1,981	-	-	172	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	142	-	315	315	-	-	-
Sweden .....	-	-	-	-	-	65	65	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	363	363
United Kingdom .....	1,468	-	-	-	-	215	215	-	563	563
Vietnam .....	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	15,746	167	0	9,764	-	1,183	1,183	163	1,692	1,855
Total .....	316,879	14,168	61	14,366	-	5,887	5,887	1,120	5,900	7,020
Persian Gulf <sup>3</sup> .....	100,806	-	-	1	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	440	-	-	1,532	-	1	-	1,533
Canada	--	--	-	440	-	-	1,532	-	1	-	1,533
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
Total	--	--	-	440	-	-	1,532	-	1	-	1,533
	PAD District 5										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	3,167	644	5,784	-	5,151	308	7	-	5,466
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	3,167	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	59	-	-	4,328	-	7	-	4,335
China	--	--	-	-	-	-	-	308	-	-	308
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	190	-	-	-	190
Korea, South	--	--	-	585	-	-	633	-	-	-	633
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	5,784	-	0	0	0	-	0
Total	--	--	3,167	644	5,784	-	5,151	308	7	-	5,466
Persian Gulf <sup>3</sup>	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	—	—	—	49	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	3	—	129	—	—	—	—	—
Canada .....	—	3	—	124	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	5	—	—	—	—	—
Total .....	—	3	—	178	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	—	—	—	—	3	3
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	3	3
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	40	14	—	32,003	—	—	870	2,598	3,468
Argentina .....	—	—	—	125	—	—	223	—	223
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	1,077	—	—	—	—	—
Canada .....	20	14	—	253	—	—	647	1,054	1,701
China .....	—	—	—	312	—	—	—	1	1
Colombia .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	763	763
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	5,015	—	—	—	—	—
Korea, South .....	20	—	—	22,214	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	1,624	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	1,383	—	—	0	780	780
Total .....	40	14	—	32,003	—	—	870	2,601	3,471
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	3	3

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-November 2020**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	-	-	-	-	-	-	-	49	49	-	0	0
Algeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	-	301	-	11	7,226	107,912	301	22	322
Canada .....	-	-	-	-	301	-	11	7,221	107,907	301	22	322
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	-	0	-	0	5	5	0	0	0
Total .....	-	-	-	-	301	-	11	7,275	107,961	301	22	322
	PAD District 5											
OPEC .....	-	-	-	-	-	-	-	450	116,511	346	1	348
Algeria .....	-	-	-	-	-	-	-	13	13	-	0	0
Angola .....	-	-	-	-	-	-	-	-	6,655	20	-	20
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	3,796	12	-	12
Iran .....	-	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	44,554	133	-	133
Kuwait .....	-	-	-	-	-	-	-	-	3,413	10	-	10
Libya .....	-	-	-	-	-	-	-	-	3,115	9	-	9
Nigeria .....	-	-	-	-	-	-	-	-	3,587	11	-	11
Saudi Arabia .....	-	-	-	-	-	-	-	4	50,897	152	0	152
United Arab Emirates .....	-	-	-	-	-	-	-	56	2,002	6	0	6
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	279	-	290	119	697	199	-	93,225	294,043	599	278	878
Argentina .....	-	-	-	-	-	-	-	435	8,322	24	1	25
Aruba .....	-	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	3,283	13,013	29	10	39
Brunei .....	-	-	-	-	-	-	-	1,077	6,506	16	3	19
Canada .....	-	-	-	119	697	61	-	22,694	103,668	242	68	309
China .....	-	-	138	-	-	-	-	759	759	-	2	2
Colombia .....	-	-	-	-	-	-	-	930	17,656	50	3	53
Ecuador .....	-	-	-	-	-	-	-	933	51,522	151	3	154
Finland .....	-	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	55	55	-	0	0
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	52	-	-	-	-	6,147	6,147	-	18	18
Korea, South .....	-	-	-	-	-	92	-	28,239	28,239	-	84	84
Malaysia .....	-	-	1	-	-	-	-	702	702	-	2	2
Mexico .....	-	-	-	-	-	-	-	1,858	11,532	29	6	34
Netherlands .....	73	-	-	-	-	-	-	1,387	1,387	-	4	4
Oman .....	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	172	2,153	6	1	6
Qatar .....	-	-	-	-	-	46	-	46	46	-	0	0
Singapore .....	-	-	-	-	-	-	-	7,865	7,865	-	23	23
Sweden .....	-	-	-	-	-	-	-	65	65	-	0	0
Taiwan .....	206	-	99	-	-	-	-	668	668	-	2	2
United Kingdom .....	-	-	-	-	-	-	-	778	2,246	4	2	7
Vietnam .....	-	-	-	-	-	-	-	-	614	2	-	2
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-	-
Other .....	0	-	0	0	0	0	-	15,132	30,878	46	46	95
Total .....	279	-	290	119	697	199	-	93,675	410,554	946	280	1,226
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	46	-	106	100,912	301	0	301

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	—	5,318	74,426	—	2,026	81,770	2,726
<b>Hydrocarbon Gas Liquids</b> .....	6,715	7,395	49,037	66	846	64,059	2,135
Natural Gas Liquids .....	6,715	7,395	49,037	66	846	64,059	2,135
Ethane .....	1,740	2,648	3,820	—	0	8,208	274
Propane .....	3,601	97	35,676	0	542	39,916	1,331
Normal Butane .....	1,213	100	9,077	2	249	10,640	355
Isobutane .....	1	1	224	—	0	225	8
Natural Gasoline .....	161	4,550	241	64	55	5,070	169
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	321	1,683	8,588	38	436	11,067	369
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	297	710	1,580	38	164	2,789	93
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	297	710	1,580	38	164	2,789	93
Fuel Ethanol .....	296	687	1,551	38	143	2,716	91
Biodiesel .....	1	23	28	—	21	73	2
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	22	913	5,811	0	38	6,784	226
Naphthas and Lighter .....	7	910	5,526	—	18	6,462	215
Kerosene and Light Gas Oils .....	15	3	285	0	20	323	11
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	2	60	1,197	0	235	1,494	50
Reformulated .....	0	—	8	—	4	12	0
Conventional .....	2	60	1,190	0	231	1,483	49
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	1,035	1,156	69,430	22	6,165	77,809	2,594
Finished Motor Gasoline .....	25	198	24,054	1	682	24,960	832
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	25	198	24,054	1	682	24,960	832
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	11	27	1,871	—	466	2,374	79
Kerosene .....	130	1	181	—	0	312	10
Distillate Fuel Oil .....	10	123	28,382	0	931	29,446	982
15 ppm sulfur and under .....	10	2	25,531	0	870	26,413	880
Greater than 15 ppm to 500 ppm sulfur .....	—	13	972	—	54	1,039	35
Greater than 500 ppm sulfur .....	0	108	1,880	—	6	1,994	66
Residual Fuel Oil .....	93	178	2,845	10	702	3,829	128
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	156	155	2,287	8	322	2,928	98
Waxes .....	78	17	34	0	7	137	5
Petroleum Coke .....	460	429	9,423	0	3,023	13,336	445
Asphalt and Road Oil .....	59	27	331	2	32	452	15
Miscellaneous Products .....	12	—	21	—	0	33	1
<b>Total</b> .....	8,072	15,553	201,480	126	9,473	234,705	7,823

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-November 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>8,864</b>	<b>54,428</b>	<b>977,508</b>	<b>214</b>	<b>16,635</b>	<b>1,057,649</b>	<b>3,157</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>87,698</b>	<b>99,521</b>	<b>491,916</b>	<b>1,025</b>	<b>16,698</b>	<b>696,857</b>	<b>2,080</b>
Natural Gas Liquids .....	87,698	99,521	491,916	1,025	16,698	696,857	2,080
Ethane .....	18,853	31,331	44,669	0	1	94,854	283
Propane .....	49,979	1,944	352,193	4	10,581	413,615	1,235
Normal Butane .....	17,763	2,147	93,952	435	5,976	119,914	358
Isobutane .....	8	10	1,540	—	7	1,559	5
Natural Gasoline .....	1,149	64,101	896	586	183	66,914	200
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Normal Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>2,509</b>	<b>23,177</b>	<b>108,665</b>	<b>385</b>	<b>6,628</b>	<b>141,364</b>	<b>422</b>
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons .....	1,590	8,123	20,097	382	2,417	32,609	97
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
Other Oxygenates .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,590	8,123	20,097	382	2,417	32,609	97
Fuel Ethanol .....	1,401	6,155	19,622	302	1,814	29,294	87
Biodiesel .....	189	1,968	475	80	604	3,315	10
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	376	13,887	71,982	2	2,078	88,325	264
Naphthas and Lighter .....	182	13,842	69,913	0	1,921	85,858	256
Kerosene and Light Gas Oils .....	194	45	2,069	2	157	2,467	7
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	542	1,168	16,586	1	2,132	20,429	61
Reformulated .....	14	1	547	—	22	583	2
Conventional .....	528	1,167	16,039	1	2,110	19,846	59
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>28,331</b>	<b>12,536</b>	<b>808,870</b>	<b>270</b>	<b>91,250</b>	<b>941,258</b>	<b>2,810</b>
Finished Motor Gasoline .....	1,958	2,351	217,485	9	16,117	237,920	710
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	1,958	2,351	217,485	9	16,117	237,920	710
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	1,799	846	24,889	—	4,533	32,067	96
Kerosene .....	405	10	1,092	—	275	1,781	5
Distillate Fuel Oil .....	9,185	1,570	363,147	0	28,039	401,940	1,200
15 ppm sulfur and under .....	5,845	10	311,141	0	22,255	339,250	1,013
Greater than 15 ppm to 500 ppm sulfur .....	2,661	162	27,408	—	2,072	32,302	96
Greater than 500 ppm sulfur .....	679	1,398	24,598	—	3,712	30,387	91
Residual Fuel Oil .....	3,661	1,879	37,056	118	6,536	49,250	147
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	1,932	1,977	24,180	101	3,775	31,966	95
Waxes .....	734	288	387	2	54	1,464	4
Petroleum Coke .....	7,730	2,510	134,597	1	31,490	176,329	526
Asphalt and Road Oil .....	774	1,073	5,784	38	431	8,100	24
Miscellaneous Products .....	155	31	252	1	2	441	1
<b>Total</b> .....	<b>127,402</b>	<b>189,662</b>	<b>2,386,959</b>	<b>1,894</b>	<b>131,211</b>	<b>2,837,129</b>	<b>8,469</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2020**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	1	—	4	—	—	—	—	—	—
Australia .....	821	0	—	6	—	0	0	1	—	1
Bahamas .....	699	11	—	—	—	79	79	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	645	—	331	—	—	—	—	—	—
Belize .....	—	57	—	—	—	51	51	—	—	—
Brazil .....	711	1,262	—	1,003	—	2,383	2,383	—	—	—
Canada .....	12,394	7,689	—	924	—	313	313	—	640	640
Cayman Islands .....	—	11	—	—	—	8	8	—	—	—
Chile .....	—	514	—	11	—	1	1	—	—	—
China .....	10,274	6,578	—	3	—	—	—	—	—	—
Colombia .....	605	24	—	629	—	1,445	1,445	—	—	—
Costa Rica .....	—	131	—	3	—	316	316	0	—	0
Denmark .....	756	—	—	40	—	—	—	—	—	—
Dominican Republic .....	—	1,652	—	0	—	250	250	—	100	100
Ecuador .....	—	1,058	—	293	—	576	576	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	237	—	1	—	387	387	—	—	—
Finland .....	—	112	—	—	—	—	—	—	—	—
France .....	2,223	534	—	19	—	1	1	—	—	—
Germany .....	762	0	—	3	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	378	—	2	—	1,361	1,361	—	—	—
Honduras .....	—	523	—	1	—	614	614	—	—	—
Hong Kong .....	—	—	—	0	—	—	—	—	—	—
India .....	12,893	2,919	—	8	—	—	—	0	—	0
Indonesia .....	—	6,075	—	0	—	—	—	—	—	—
Ireland .....	1,245	—	—	—	—	—	—	—	—	—
Israel .....	760	—	—	36	—	—	—	—	—	—
Italy .....	2,206	0	—	0	—	—	—	—	—	—
Jamaica .....	—	57	—	—	—	251	251	—	1	1
Japan .....	—	11,851	—	345	—	1	1	2	0	3
Korea, South .....	4,214	3,298	—	997	—	1	1	0	151	151
Lebanon .....	—	—	—	—	—	1	1	—	—	—
Mexico .....	—	6,538	—	122	—	15,138	15,138	8	545	552
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	817	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	11,800	1,920	—	1,464	—	—	—	—	—	—
New Zealand .....	—	0	—	0	—	—	—	—	—	—
Nicaragua .....	110	0	—	80	—	79	79	—	—	—
Nigeria .....	—	221	—	—	—	—	—	—	—	—
Norway .....	—	1,209	—	80	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	3,339	83	—	1	—	786	786	—	0	0
Peru .....	—	0	—	4	—	778	778	—	46	46
Philippines .....	—	—	—	2	—	—	—	—	—	—
Portugal .....	—	269	—	—	—	—	—	—	—	—
Puerto Rico .....	—	34	—	0	—	2	2	—	0	0
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	1	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	1,031	—	22	—	0	0	—	—	—
South Africa .....	—	239	—	—	—	—	—	—	—	—
Spain .....	2,185	839	—	17	—	—	—	—	—	—
Switzerland .....	718	236	—	—	—	—	—	—	—	—
Taiwan .....	3,756	0	—	1	—	0	0	—	—	—
Thailand .....	2,100	—	—	1	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	0	—	0	0	—	—	—
Turkey .....	—	1,658	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	0	—	—	—	—	—	—	—	—
United Kingdom .....	6,476	1,796	—	321	—	1	1	—	—	—
Venezuela .....	—	—	—	—	—	2	2	—	—	—
Other .....	723	1,552	—	9	—	135	135	1	—	—
<b>Total .....</b>	<b>81,770</b>	<b>64,059</b>	<b>—</b>	<b>6,784</b>	<b>—</b>	<b>24,960</b>	<b>24,960</b>	<b>12</b>	<b>1,483</b>	<b>1,494</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	---	---	0	—	—	—	28	—	—	—	28
Australia .....	---	---	0	—	—	—	0	—	0	—	0
Bahamas .....	---	---	0	—	—	—	183	—	255	—	438
Bahrain .....	---	---	0	—	—	—	—	—	—	—	—
Belgium .....	---	---	0	—	—	—	373	—	—	—	373
Belize .....	---	---	—	—	—	—	—	—	—	—	—
Brazil .....	---	---	318	—	—	—	4,550	—	—	—	4,550
Canada .....	---	---	847	43	—	—	3	244	114	—	361
Cayman Islands .....	---	---	—	—	—	—	—	—	—	—	—
Chile .....	---	---	1	—	—	—	3,267	—	—	—	3,267
China .....	---	---	206	—	—	—	1	—	—	—	1
Colombia .....	---	---	242	—	—	—	0	—	—	—	0
Costa Rica .....	---	---	—	—	—	—	302	—	—	—	302
Denmark .....	---	---	—	—	—	—	—	—	—	—	—
Dominican Republic .....	---	---	0	—	—	—	341	0	50	—	391
Ecuador .....	---	---	—	—	—	—	836	—	281	—	1,117
Egypt .....	---	---	0	—	—	—	—	—	—	—	—
El Salvador .....	---	---	—	—	—	—	194	—	94	—	287
Finland .....	---	---	—	—	—	—	—	—	—	—	—
France .....	---	---	0	—	—	—	—	—	—	—	—
Germany .....	---	---	0	1	—	—	—	—	—	—	—
Ghana .....	---	---	—	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	140	—	370	—	510
Greece .....	---	---	0	—	—	—	—	—	—	—	—
Guatemala .....	---	---	0	—	—	—	339	9	364	—	712
Honduras .....	---	---	0	—	—	—	636	71	—	—	707
Hong Kong .....	---	---	—	—	—	—	—	—	—	—	—
India .....	---	---	278	—	—	—	3	—	22	—	25
Indonesia .....	---	---	—	—	—	—	0	—	—	—	0
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	1	—	—	—	0	—	—	—	0
Italy .....	---	---	1	—	—	—	—	104	—	—	104
Jamaica .....	---	---	15	—	—	—	202	—	—	—	202
Japan .....	---	---	0	—	—	—	—	—	—	—	—
Korea, South .....	---	---	163	1	—	—	1	—	—	—	1
Lebanon .....	---	---	—	—	—	—	0	—	—	—	0
Mexico .....	---	---	60	0	—	—	7,763	0	5	—	7,768
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	—	—	—	—	—	—	—	—	—
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	—	—	—	—	306	—	—	—	306
New Zealand .....	---	---	—	—	—	—	—	—	—	—	—
Nicaragua .....	---	---	—	—	—	—	150	—	98	—	248
Nigeria .....	---	---	141	—	—	—	0	—	—	—	0
Norway .....	---	---	36	—	—	—	8	—	—	—	8
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	0	—	—	—	1,311	—	147	—	1,458
Peru .....	---	---	145	28	—	—	3,188	—	—	—	3,188
Philippines .....	---	---	111	—	—	—	—	—	—	—	—
Portugal .....	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	5	—	—	—	0	—	—	—	0
Romania .....	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	---	---	61	—	—	—	2	—	—	—	2
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	9	—	—	—	469	—	—	—	469
South Africa .....	---	---	—	—	—	—	—	—	—	—	—
Spain .....	---	---	—	—	—	—	271	—	—	—	271
Switzerland .....	---	---	3	—	—	—	32	—	—	—	32
Taiwan .....	---	---	—	—	—	—	1	—	—	—	1
Thailand .....	---	---	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	---	---	—	—	—	—	283	—	—	—	283
Turkey .....	---	---	50	—	—	—	—	—	—	—	—
United Arab Emirates .....	---	---	0	—	—	—	—	—	—	—	—
United Kingdom .....	---	---	18	—	—	—	95	—	—	—	95
Venezuela .....	---	---	—	—	—	—	—	—	—	—	—
Other .....	---	---	5	—	—	—	1,135	611	194	—	1,941
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>2,716</b>	<b>73</b>	<b>—</b>	<b>—</b>	<b>26,413</b>	<b>1,039</b>	<b>1,994</b>	<b>—</b>	<b>29,446</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2020**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	1	—	390	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	10	—	—	—	—	0	—	—
Canada .....	131	—	—	261	—	602	—	—
Cayman Islands .....	0	—	—	—	—	—	—	—
Chile .....	—	—	—	126	—	300	—	—
China .....	0	—	—	1	—	1	—	—
Colombia .....	—	—	—	—	—	—	—	—
Costa Rica .....	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	—	—	—	196	—	—
Ecuador .....	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	22	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	0	—	—	33	—	—	—	—
Honduras .....	—	—	—	20	—	—	—	—
Hong Kong .....	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	0	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	333	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	—	—	—	—	—	120	—	—
Japan .....	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—
Lebanon .....	—	—	—	—	—	407	—	—
Mexico .....	170	—	—	1,156	—	399	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	508	—	—
New Zealand .....	—	—	—	—	—	0	—	—
Nicaragua .....	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	0	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	410	—	491	—	—
Peru .....	—	—	—	—	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	—	—	—	0	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	0	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	267	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	1	—	—
Thailand .....	—	—	—	—	—	0	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	1	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	0	—	—
Venezuela .....	—	—	—	—	—	0	—	—
Other .....	—	—	—	11	—	147	—	—
<b>Total .....</b>	<b>312</b>	<b>—</b>	<b>—</b>	<b>2,374</b>	<b>—</b>	<b>3,829</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, November 2020**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	0	—	—	149	—	183	183	—	6	6
Australia .....	3	198	0	6	—	214	1,036	27	7	35
Bahamas .....	—	—	1	1	0	923	1,622	23	31	54
Bahrain .....	—	—	—	0	—	0	0	—	0	0
Belgium .....	0	2	—	293	1	1,646	1,646	—	55	55
Belize .....	—	—	—	1	—	109	109	—	4	4
Brazil .....	1	1,255	0	407	1	11,190	11,901	24	373	397
Canada .....	89	644	85	224	3	12,857	25,251	413	429	842
Cayman Islands .....	—	—	1	1	—	22	22	—	1	1
Chile .....	0	—	28	64	0	4,312	4,312	—	144	144
China .....	2	2,021	1	16	0	8,831	19,105	342	294	637
Colombia .....	0	0	0	55	0	2,397	3,002	20	80	100
Costa Rica .....	—	—	32	25	—	810	810	—	27	27
Denmark .....	—	106	—	0	—	147	902	25	5	30
Dominican Republic .....	0	198	10	11	—	2,810	2,810	—	94	94
Ecuador .....	—	0	0	38	—	3,082	3,082	—	103	103
Egypt .....	—	286	—	0	—	286	286	—	10	10
El Salvador .....	0	—	—	7	—	942	942	—	31	31
Finland .....	—	—	—	1	—	112	112	—	4	4
France .....	0	33	—	0	—	588	2,810	74	20	94
Germany .....	4	—	1	1	0	11	772	25	0	26
Ghana .....	—	—	—	1	—	1	1	—	0	0
Gibraltar .....	—	—	—	—	—	510	510	—	17	17
Greece .....	—	180	—	0	—	180	180	—	6	6
Guatemala .....	0	—	0	20	—	2,507	2,507	—	84	84
Honduras .....	—	157	—	14	—	2,036	2,036	—	68	68
Hong Kong .....	0	—	—	1	0	1	1	—	0	0
India .....	1	628	0	149	0	4,008	16,901	430	134	563
Indonesia .....	0	—	1	1	—	6,077	6,077	—	203	203
Ireland .....	—	—	—	0	—	0	1,245	41	0	41
Israel .....	0	193	—	1	—	564	1,324	25	19	44
Italy .....	12	182	—	1	—	298	2,504	74	10	83
Jamaica .....	—	—	0	4	0	649	649	—	22	22
Japan .....	1	1,789	0	5	3	13,998	13,998	—	467	467
Korea, South .....	0	—	1	10	0	4,623	8,837	140	154	295
Lebanon .....	—	—	—	1	—	409	409	—	14	14
Mexico .....	20	2,540	249	889	21	35,623	35,623	—	1,187	1,187
Montenegro .....	—	—	0	—	—	0	0	—	0	0
Morocco .....	—	175	34	0	—	1,025	1,025	—	34	34
Mozambique .....	—	154	—	—	—	154	154	—	5	5
Netherlands .....	2	55	1	2	0	4,259	16,059	393	142	535
New Zealand .....	0	—	—	1	—	2	2	—	0	0
Nicaragua .....	—	181	—	6	—	594	704	4	20	23
Nigeria .....	—	—	—	1	—	363	363	—	12	12
Norway .....	—	125	—	0	—	1,460	1,460	—	49	49
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	—	—	—	12	—	3,242	6,581	111	108	219
Peru .....	—	31	—	63	0	4,283	4,283	—	143	143
Philippines .....	0	—	—	1	—	114	114	—	4	4
Portugal .....	0	—	—	1	—	270	270	—	9	9
Puerto Rico .....	0	—	0	8	—	50	50	—	2	2
Romania .....	—	—	—	0	—	0	0	—	0	0
Saudi Arabia .....	0	0	—	4	—	68	68	—	2	2
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	0	4	—	1,803	1,803	—	60	60
South Africa .....	0	135	0	60	—	434	434	—	14	14
Spain .....	0	1,207	—	1	—	2,334	4,520	73	78	151
Switzerland .....	0	—	—	0	—	271	988	24	9	33
Taiwan .....	0	—	0	5	0	9	3,765	125	0	125
Thailand .....	0	—	0	3	0	5	2,105	70	0	70
Trinidad and Tobago .....	—	—	—	38	—	321	321	—	11	11
Turkey .....	—	361	—	4	—	2,073	2,073	—	69	69
United Arab Emirates .....	0	116	1	37	0	155	155	—	5	5
United Kingdom .....	0	—	0	4	0	2,236	8,712	216	75	290
Venezuela .....	—	—	—	2	—	4	4	—	0	0
Other .....	2	384	6	274	4	4,450	5,175	27	144	170
<b>Total .....</b>	<b>137</b>	<b>13,336</b>	<b>452</b>	<b>2,928</b>	<b>33</b>	<b>152,935</b>	<b>234,705</b>	<b>2,726</b>	<b>5,098</b>	<b>7,823</b>

-- = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2020**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	1	—	1,173	—	822	822	—	—	—
Australia .....	10,796	4,021	—	30	—	1	1	2	0	2
Bahamas .....	5,460	1,232	—	0	—	1,402	1,402	1	488	489
Bahrain .....	—	—	—	0	—	5	5	0	—	0
Belgium .....	1,715	5,491	—	1,233	—	324	324	—	—	—
Belize .....	—	177	—	—	—	342	342	—	—	—
Brazil .....	9,659	18,239	—	13,271	—	20,748	20,748	—	690	690
Canada .....	134,821	103,056	—	14,049	—	7,342	7,342	—	8,165	8,165
Cayman Islands .....	—	11	—	0	—	65	65	3	44	47
Chile .....	8,601	10,755	—	374	—	2,672	2,672	—	114	114
China .....	153,964	51,947	—	1,000	—	8	8	—	—	—
Colombia .....	5,058	353	—	11,417	—	7,431	7,431	—	647	647
Costa Rica .....	—	1,523	—	28	—	4,877	4,877	0	—	0
Denmark .....	12,625	—	—	160	—	—	—	—	0	0
Dominican Republic .....	3,012	11,407	—	4	—	2,889	2,889	0	256	257
Ecuador .....	—	11,794	—	624	—	3,093	3,093	0	1,372	1,372
Egypt .....	—	2,050	—	—	—	—	—	—	—	—
El Salvador .....	—	2,747	—	9	—	3,712	3,712	—	0	0
Finland .....	—	2,533	—	1	—	0	0	0	—	0
France .....	25,920	8,588	—	821	—	1	1	—	—	—
Germany .....	35,977	222	—	68	—	3	3	—	0	0
Ghana .....	—	374	—	0	—	0	0	—	—	—
Gibraltar .....	680	2,726	—	—	—	—	—	—	—	—
Greece .....	3,284	0	—	0	—	0	0	—	—	—
Guatemala .....	—	3,654	—	59	—	12,060	12,060	0	0	0
Honduras .....	—	4,535	—	8	—	4,173	4,173	1	0	1
Hong Kong .....	—	4	—	520	—	—	—	—	0	0
India .....	84,214	36,056	—	120	—	0	0	0	—	0
Indonesia .....	4,729	31,277	—	16	—	1,348	1,348	—	—	—
Ireland .....	14,543	—	—	0	—	—	—	—	—	—
Israel .....	4,607	4	—	108	—	9	9	—	0	0
Italy .....	47,677	1,165	—	76	—	0	0	—	—	—
Jamaica .....	—	558	—	75	—	1,323	1,323	—	54	54
Japan .....	4,989	142,801	—	11,913	—	635	635	9	0	9
Korea, South .....	88,116	42,092	—	12,675	—	11	11	11	207	218
Lebanon .....	—	530	—	1	—	1	1	—	—	—
Mexico .....	—	57,752	—	3,628	—	137,245	137,245	544	5,937	6,481
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	8,494	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	97,982	21,787	—	6,358	—	561	561	—	289	289
New Zealand .....	735	3	—	0	—	0	0	0	0	0
Nicaragua .....	3,017	0	—	384	—	250	250	—	—	—
Nigeria .....	—	3,918	—	0	—	637	637	—	—	—
Norway .....	1,301	9,882	—	473	—	—	—	—	0	0
Pakistan .....	—	—	—	—	—	1	1	—	—	—
Panama .....	7,541	969	—	101	—	8,181	8,181	—	12	12
Peru .....	6,111	1,249	—	460	—	6,271	6,271	—	522	522
Philippines .....	—	0	—	3	—	290	290	—	—	—
Portugal .....	5,374	6,132	—	—	—	1	1	—	—	—
Puerto Rico .....	—	260	—	20	—	594	594	2	4	5
Romania .....	—	—	—	0	—	—	—	—	—	—
Saudi Arabia .....	—	0	—	10	—	4	4	—	0	0
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	33,363	4,863	—	2,161	—	3,243	3,243	0	488	488
South Africa .....	5,179	3,589	—	0	—	636	636	0	—	0
Spain .....	23,669	9,756	—	121	—	—	—	—	—	—
Switzerland .....	1,468	1,944	—	1	—	—	—	—	0	0
Taiwan .....	57,387	6,127	—	3,219	—	4	4	0	0	0
Thailand .....	24,350	0	—	8	—	—	—	—	0	0
Trinidad and Tobago .....	—	0	—	0	—	1,110	1,110	—	—	—
Turkey .....	—	10,564	—	0	—	1	1	—	—	—
United Arab Emirates .....	7,584	0	—	528	—	26	26	—	0	0
United Kingdom .....	81,717	23,193	—	321	—	63	63	0	273	273
Venezuela .....	—	2	—	1	—	14	14	7	0	8
Other .....	40,424	24,450	—	695	—	3,491	3,491	3	284	286
<b>Total .....</b>	<b>1,057,649</b>	<b>696,857</b>	<b>—</b>	<b>88,325</b>	<b>—</b>	<b>237,920</b>	<b>237,920</b>	<b>583</b>	<b>19,846</b>	<b>20,429</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2020**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	---	---	0	—	—	—	5,292	—	—	—	5,292
Australia .....	---	---	68	—	—	—	1,268	—	0	—	1,268
Bahamas .....	---	---	1	—	—	—	6,127	595	2,499	—	9,221
Bahrain .....	---	---	0	—	—	—	—	—	—	—	—
Belgium .....	---	---	4	0	—	—	1,669	396	—	—	2,065
Belize .....	---	---	0	—	—	—	653	655	—	—	1,308
Brazil .....	---	---	4,579	—	—	—	53,807	3,764	2,628	—	60,199
Canada .....	---	---	7,242	2,970	—	—	12	3,579	1,665	—	5,256
Cayman Islands .....	---	---	0	—	—	—	915	—	—	—	915
Chile .....	---	---	10	—	—	—	34,196	299	593	—	35,088
China .....	---	---	208	88	—	—	335	—	1	—	336
Colombia .....	---	---	1,512	—	—	—	6,801	0	—	—	6,801
Costa Rica .....	---	---	2	—	—	—	6,313	121	—	—	6,434
Denmark .....	---	---	0	0	—	—	295	—	—	—	295
Dominican Republic .....	---	---	7	—	—	—	3,137	102	1,214	—	4,453
Ecuador .....	---	---	0	—	—	—	10,582	1,125	2,983	—	14,690
Egypt .....	---	---	3	—	—	—	0	—	—	—	0
El Salvador .....	---	---	—	—	—	—	992	1,557	478	—	3,028
Finland .....	---	---	469	—	—	—	204	—	—	—	204
France .....	---	---	108	—	—	—	11,431	—	0	—	11,431
Germany .....	---	---	0	9	—	—	498	0	—	—	498
Ghana .....	---	---	0	—	—	—	—	—	—	—	—
Gibraltar .....	---	---	—	—	—	—	5,631	1,283	2,866	—	9,780
Greece .....	---	---	0	—	—	—	291	—	—	—	291
Guatemala .....	---	---	0	0	—	—	3,678	5,250	2,040	—	10,968
Honduras .....	---	---	0	—	—	—	4,316	1,580	1,084	—	6,980
Hong Kong .....	---	---	0	—	—	—	0	—	—	—	0
India .....	---	---	4,390	—	—	—	8	—	22	—	30
Indonesia .....	---	---	0	—	—	—	1,205	—	—	—	1,205
Ireland .....	---	---	0	—	—	—	—	—	—	—	—
Israel .....	---	---	20	—	—	—	2	—	—	—	2
Italy .....	---	---	6	—	—	—	695	104	—	—	799
Jamaica .....	---	---	426	—	—	—	2,130	1	408	—	2,538
Japan .....	---	---	88	—	—	—	3	1	—	—	4
Korea, South .....	---	---	2,212	5	—	—	24	—	—	—	24
Lebanon .....	---	---	—	—	—	—	150	—	—	—	150
Mexico .....	---	---	1,496	7	—	—	81,950	533	876	—	83,360
Montenegro .....	---	---	—	—	—	—	—	—	—	—	—
Morocco .....	---	---	0	—	—	—	4,164	—	299	—	4,463
Mozambique .....	---	---	—	—	—	—	—	—	—	—	—
Netherlands .....	---	---	1,709	99	—	—	12,040	1,433	1,357	—	14,830
New Zealand .....	---	---	0	—	—	—	0	—	—	—	0
Nicaragua .....	---	---	0	—	—	—	347	262	436	—	1,045
Nigeria .....	---	---	887	—	—	—	1	—	—	—	1
Norway .....	---	---	340	25	—	—	381	—	—	—	381
Pakistan .....	---	---	—	—	—	—	—	—	—	—	—
Panama .....	---	---	1	—	—	—	17,791	3,646	2,024	—	23,461
Peru .....	---	---	945	112	—	—	21,241	—	100	—	21,341
Philippines .....	---	---	967	—	—	—	1	—	—	—	1
Portugal .....	---	---	0	—	—	—	—	—	—	—	—
Puerto Rico .....	---	---	37	0	—	—	4	3	—	—	8
Romania .....	---	---	—	—	—	—	268	—	—	—	268
Saudi Arabia .....	---	---	281	—	—	—	1,448	—	—	—	1,448
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore .....	---	---	38	1	—	—	8,485	589	560	—	9,634
South Africa .....	---	---	0	—	—	—	1	—	—	—	1
Spain .....	---	---	16	—	—	—	3,658	297	317	—	4,272
Switzerland .....	---	---	237	—	—	—	477	—	—	—	477
Taiwan .....	---	---	11	—	—	—	2	—	—	—	2
Thailand .....	---	---	0	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	---	---	0	—	—	—	1,506	2,199	2,173	—	5,877
Turkey .....	---	---	210	—	—	—	355	—	—	—	355
United Arab Emirates .....	---	---	43	—	—	—	0	—	—	—	0
United Kingdom .....	---	---	471	0	—	—	10,625	120	550	—	11,295
Venezuela .....	---	---	—	—	—	—	17	0	—	—	17
Other .....	---	---	250	0	—	—	11,828	2,808	3,214	—	17,850
<b>Total .....</b>	<b>---</b>	<b>---</b>	<b>29,294</b>	<b>3,315</b>	<b>—</b>	<b>—</b>	<b>339,250</b>	<b>32,302</b>	<b>30,387</b>	<b>—</b>	<b>401,940</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2020**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	0	—	—	93	—	—	—	—
Australia .....	0	—	—	0	—	0	—	—
Bahamas .....	0	—	—	943	—	5,558	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	26	—	—	—	—
Brazil .....	10	—	—	641	—	922	—	—
Canada .....	853	—	—	6,477	—	6,832	—	—
Cayman Islands .....	1	—	—	65	—	0	—	—
Chile .....	0	—	—	512	—	1,207	—	—
China .....	0	—	—	3	—	12	—	—
Colombia .....	0	—	—	191	—	0	—	—
Costa Rica .....	0	—	—	761	—	475	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	1	—	—	830	—	1,413	—	—
Ecuador .....	1	—	—	8	—	214	—	—
Egypt .....	0	—	—	—	—	0	—	—
El Salvador .....	0	—	—	116	—	0	—	—
Finland .....	0	—	—	300	—	0	—	—
France .....	—	—	—	—	—	0	—	—
Germany .....	—	—	—	—	—	1	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	132	—	—
Guatemala .....	0	—	—	357	—	13	—	—
Honduras .....	0	—	—	283	—	704	—	—
Hong Kong .....	—	—	—	0	—	—	—	—
India .....	0	—	—	—	—	1	—	—
Indonesia .....	—	—	—	—	—	—	—	—
Ireland .....	0	—	—	—	—	—	—	—
Israel .....	1	—	—	1,513	—	0	—	—
Italy .....	—	—	—	908	—	—	—	—
Jamaica .....	0	—	—	260	—	1,769	—	—
Japan .....	0	—	—	0	—	0	—	—
Korea, South .....	—	—	—	0	—	0	—	—
Lebanon .....	—	—	—	—	—	3,217	—	—
Mexico .....	881	—	—	10,353	—	7,968	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	433	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	632	—	3,360	—	—
New Zealand .....	0	—	—	—	—	0	—	—
Nicaragua .....	0	—	—	540	—	—	—	—
Nigeria .....	—	—	—	0	—	0	—	—
Norway .....	—	—	—	—	—	0	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	1,854	—	5,870	—	—
Peru .....	0	—	—	659	—	0	—	—
Philippines .....	—	—	—	0	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	1	—	—	1	—	6	—	—
Romania .....	—	—	—	—	—	0	—	—
Saudi Arabia .....	—	—	—	—	—	580	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore .....	1	—	—	207	—	6,281	—	—
South Africa .....	—	—	—	—	—	0	—	—
Spain .....	—	—	—	4	—	370	—	—
Switzerland .....	—	—	—	110	—	—	—	—
Taiwan .....	—	—	—	1	—	8	—	—
Thailand .....	—	—	—	0	—	0	—	—
Trinidad and Tobago .....	0	—	—	861	—	—	—	—
Turkey .....	0	—	—	—	—	0	—	—
United Arab Emirates .....	3	—	—	1	—	1	—	—
United Kingdom .....	0	—	—	972	—	421	—	—
Venezuela .....	—	—	—	—	—	0	—	—
Other .....	28	—	—	1,585	—	1,482	—	—
<b>Total .....</b>	<b>1,781</b>	<b>—</b>	<b>—</b>	<b>32,067</b>	<b>—</b>	<b>49,250</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-November 2020**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	1	156	0	985	0	8,524	8,524	—	25	25
Australia .....	13	2,363	521	61	1	8,349	19,145	32	25	57
Bahamas .....	—	—	14	22	1	18,884	24,344	16	56	73
Bahrain .....	0	—	—	3	—	8	8	—	0	0
Belgium .....	0	716	173	3,990	11	14,006	15,721	5	42	47
Belize .....	—	—	—	10	—	1,863	1,863	—	6	6
Brazil .....	9	13,506	0	3,704	8	136,526	146,184	29	408	436
Canada .....	943	7,658	1,813	2,746	78	175,479	310,300	402	524	926
Cayman Islands .....	—	—	30	11	—	1,146	1,146	—	3	3
Chile .....	4	2	401	647	4	51,790	60,391	26	155	180
China .....	16	19,934	10	180	8	73,750	227,715	460	220	680
Colombia .....	2	1	46	820	3	29,224	34,282	15	87	102
Costa Rica .....	1	479	411	156	0	15,146	15,146	—	45	45
Denmark .....	0	656	—	0	—	1,111	13,736	38	3	41
Dominican Republic .....	1	1,279	608	163	1	23,312	26,323	9	70	79
Ecuador .....	1	1,470	0	335	0	33,602	33,602	—	100	100
Egypt .....	0	2,469	3	6	—	4,531	4,531	—	14	14
El Salvador .....	1	281	0	208	0	10,102	10,102	—	30	30
Finland .....	0	—	—	5	—	3,512	3,512	—	10	10
France .....	3	1,471	—	72	0	22,496	48,415	77	67	145
Germany .....	48	602	16	25	2	1,493	37,470	107	4	112
Ghana .....	—	—	—	5	—	379	379	—	1	1
Gibraltar .....	—	—	—	—	—	12,506	13,186	2	37	39
Greece .....	—	2,052	—	3	—	2,479	5,762	10	7	17
Guatemala .....	2	2,563	0	167	—	29,845	29,845	—	89	89
Honduras .....	1	2,583	149	95	0	19,513	19,513	—	58	58
Hong Kong .....	0	—	0	12	1	539	539	—	2	2
India .....	20	28,664	1	1,134	3	70,421	154,635	251	210	462
Indonesia .....	0	0	7	14	0	33,868	38,597	14	101	115
Ireland .....	—	346	—	1	0	348	14,891	43	1	44
Israel .....	0	1,532	—	613	0	3,803	8,410	14	11	25
Italy .....	40	4,736	0	3	0	7,734	55,411	142	23	165
Jamaica .....	0	78	207	90	1	7,379	7,379	—	22	22
Japan .....	7	17,570	6	116	42	173,191	178,180	15	517	532
Korea, South .....	2	1,340	7	79	3	58,671	146,787	263	175	438
Lebanon .....	—	121	—	4	—	4,024	4,024	—	12	12
Mexico .....	199	17,882	2,929	9,799	250	340,230	340,230	—	1,016	1,016
Montenegro .....	—	—	0	—	—	0	0	—	0	0
Morocco .....	—	4,428	34	1	—	17,852	17,852	—	53	53
Mozambique .....	—	849	—	0	—	849	849	—	3	3
Netherlands .....	99	2,730	9	348	3	52,813	150,796	292	158	450
New Zealand .....	0	352	51	7	—	414	1,149	2	1	3
Nicaragua .....	0	182	0	42	—	2,443	5,460	9	7	16
Nigeria .....	—	532	0	646	—	6,621	6,621	—	20	20
Norway .....	0	1,129	—	2	0	12,233	13,534	4	37	40
Pakistan .....	0	2,874	0	16	0	2,892	2,892	—	9	9
Panama .....	0	265	125	731	0	41,570	49,111	23	124	147
Peru .....	1	31	0	500	4	32,096	38,208	18	96	114
Philippines .....	1	552	—	13	1	1,828	1,828	—	5	5
Portugal .....	0	691	—	8	—	6,832	12,206	16	20	36
Puerto Rico .....	0	—	101	110	—	1,144	1,144	—	3	3
Romania .....	—	1,160	—	1	—	1,429	1,429	—	4	4
Saudi Arabia .....	1	284	175	125	0	2,908	2,908	—	9	9
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	63	814	0	27,793	61,157	100	83	183
South Africa .....	1	865	1	538	—	5,630	10,809	15	17	32
Spain .....	10	5,080	0	13	0	19,643	43,312	71	59	129
Switzerland .....	0	1,306	36	1	—	4,111	5,578	4	12	17
Taiwan .....	21	0	3	57	2	9,455	66,841	171	28	200
Thailand .....	1	749	2	30	2	792	25,141	73	2	75
Trinidad and Tobago .....	0	1	0	118	0	7,969	7,969	—	24	24
Turkey .....	0	11,384	0	139	—	22,653	22,653	—	68	68
United Arab Emirates .....	0	1,223	6	521	0	2,353	9,937	23	7	30
United Kingdom .....	7	1,389	1	18	1	38,426	120,143	244	115	359
Venezuela .....	—	—	—	42	0	85	85	—	0	0
Other .....	8	5,763	141	841	11	56,861	97,289	122	172	292
<b>Total .....</b>	<b>1,464</b>	<b>176,329</b>	<b>8,100</b>	<b>31,966</b>	<b>441</b>	<b>1,779,479</b>	<b>2,837,129</b>	<b>3,157</b>	<b>5,312</b>	<b>8,469</b>

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2020**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>573</b>	<b>-6</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>4</b>	<b>4</b>
Algeria	19	-	-	-	-	-	-	-	-	-
Angola	38	-	-	-	-	-	-	-	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	2	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	111	-	-	-	-	-	-	-	-	-
Kuwait	24	-	-	-	-	0	0	-	-	-
Libya	-	0	-	-	-	-	-	-	-	-
Nigeria	109	-7	-	-	-	-	-	-	1	1
Saudi Arabia	273	-	-	0	-	-	-	-	-	-
United Arab Emirates	-	0	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	0	0	-	-	-
<b>Non-OPEC</b>	<b>2,271</b>	<b>-1,958</b>	<b>13</b>	<b>291</b>	<b>-</b>	<b>-770</b>	<b>-770</b>	<b>191</b>	<b>242</b>	<b>433</b>
Argentina	12	0	-	0	-	-	-	-	3	3
Aruba	-	0	-	0	-	-	-	-	-	-
Australia	-27	0	-	0	-	0	0	0	-	0
Bahamas	-23	0	-	-	-	-3	-3	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-22	-	3	-	-	-	3	7	10
Brazil	103	-42	-	-33	-	-79	-79	-	24	24
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	3,328	-93	13	-25	-	2	2	115	9	124
Chad	-	-	-	-	-	-	-	-	-	-
China	-342	-219	-	0	-	-	-	-	-	-
Colombia	128	-1	-	-21	-	-48	-48	-	-	-
Denmark	-25	-	-	-1	-	-	-	-	-	-
Dominican Republic	-	-55	-	0	-	-8	-8	-	-3	-3
Ecuador	190	-35	-	26	-	-19	-19	-	-	-
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-4	-	-	-	7	7	-	14	14
France	-74	-18	-	-1	-	9	9	18	-	18
Germany	-25	0	-	0	-	-	-	-	1	1
Guatemala	-	-13	-	0	-	-45	-45	-	-	-
Honduras	-	-17	-	0	-	-20	-20	-	-	-
India	-430	-97	-	0	-	-	-	0	41	41
Indonesia	-	-202	-	0	-	-	-	-	-	-
Italy	-74	0	-	0	-	-	-	-	10	10
Japan	-	-395	-	-11	-	0	0	0	0	0
Korea, South	-140	-110	-	-33	-	11	11	0	13	13
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	11	11
Malaysia	-	0	-	0	-	-	-	-	-	-
Mexico	545	-218	-	6	-	-505	-505	0	-18	-18
Netherlands	-393	-64	-	-49	-	-	-	18	39	56
Norway	26	-34	-	-3	-	-	-	3	-	3
Oman	-	-	-	-	-	-	-	-	-	-
Panama	-111	-3	-	0	-	-26	-26	-	0	0
Portugal	-	-9	-	-	-	19	19	-	-	-
Puerto Rico	-	-1	-	0	-	0	0	-	0	0
Qatar	-	-	-	-	-	0	0	-	-	-
Russia	31	-	-	378	-	3	3	9	30	39
Spain	-73	-28	-	-1	-	-	-	-	18	18
Sweden	-24	-	-	11	-	-	-	1	11	12
Trinidad and Tobago	35	-	-	0	-	0	0	-	-	-
United Kingdom	-191	-60	-	-11	-	0	0	24	17	40
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-5	-	-	-	0	0	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-175	-213	0	56	-	-68	-68	0	15	17
<b>Total</b>	<b>2,845</b>	<b>-1,963</b>	<b>13</b>	<b>291</b>	<b>-</b>	<b>-770</b>	<b>-770</b>	<b>191</b>	<b>247</b>	<b>438</b>
<b>Persian Gulf<sup>2</sup></b>	<b>407</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-7	-	-	-	17	-	-	-	17
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-5	-	-	-	8	-	-	-	8
Saudi Arabia	--	--	-2	-	-	-	3	-	-	-	3
United Arab Emirates	--	--	0	-	-	-	6	-	-	-	6
Venezuela	--	--	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b>	--	--	-69	13	22	-	-593	-35	-66	-	-693
Argentina	--	--	0	-	-	-	-1	-	-	-	-1
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	0	-	-	-	0	-	0	-	0
Bahamas	--	--	0	-	-	-	-6	-	-9	-	-15
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	13	-	-	-	13
Brazil	--	--	4	-	-	-	-152	-	-	-	-152
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-28	5	-	-	117	-8	-3	-	106
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-7	-	-	-	7	-	-	-	7
Colombia	--	--	-8	-	-	-	16	-	-	-	16
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-11	0	-2	-	-13
Ecuador	--	--	-	-	-	-	-28	-	-9	-	-37
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	0	-	-	-	-	-	-	-	-
Germany	--	--	0	5	-	-	-	-	-	-	-
Guatemala	--	--	0	-	-	-	-11	0	-12	-	-24
Honduras	--	--	0	-	-	-	-21	-2	-	-	-24
India	--	--	-9	-	-	-	12	-	-1	-	11
Indonesia	--	--	-	-	-	-	12	-	-	-	12
Italy	--	--	0	-	-	-	4	-3	-	-	1
Japan	--	--	0	-	-	-	-	-	-	-	-
Korea, South	--	--	-5	3	-	-	23	-	-	-	23
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	11	-	-	-	11
Mexico	--	--	-2	0	-	-	-259	0	0	-	-259
Netherlands	--	--	-	-	-	-	3	-	-	-	3
Norway	--	--	-1	-	-	-	0	-	-	-	0
Oman	--	--	0	-	-	-	3	-	-	-	3
Panama	--	--	0	-	-	-	-44	-	-5	-	-49
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	-	-	-	0
Qatar	--	--	-	-	-	-	2	-	-	-	2
Russia	--	--	-	-	-	-	42	-	-	-	42
Spain	--	--	-	-	-	-	-9	-	-	-	-9
Sweden	--	--	-	-	-	-	-3	-	-	-	-3
Trinidad and Tobago	--	--	-	-	-	-	-9	-	-	-	-9
United Kingdom	--	--	-1	-	-	-	-3	-	-	-	-3
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	0	-	-	-	-11	-9	-	-	-20
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-12	0	22	-	-290	-13	-25	-	-325
<b>Total</b>	--	--	-76	13	22	-	-576	-35	-66	-	-677
<b>Persian Gulf<sup>2</sup></b>	--	--	-2	-	-	-	10	-	-	-	10

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>32</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	8	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-
Kuwait	-	-	-	10	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	11	-	0	-	-
United Arab Emirates	0	-	-	3	-	-	-	-
Venezuela	-	-	-	-	-	0	-	-
<b>Non-OPEC</b>	<b>-10</b>	<b>1</b>	<b>-</b>	<b>37</b>	<b>9</b>	<b>52</b>	<b>10</b>	<b>4</b>
Argentina	-	-	-	-	-	-	-	1
Aruba	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	0	-	-12	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Brazil	0	-	-	0	-	0	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-4	0	-	2	0	-3	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	0	-	0	-	-
Colombia	-	-	-	-	-	9	-	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-	-	-7	-	-
Ecuador	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	1
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-1	-	-	-	-
Honduras	-	-	-	-1	-	-	-	-
India	-	-	-	2	2	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-
Japan	-	-	-	-	2	-	3	-
Korea, South	-	-	-	104	5	-	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	-	-	-	-	-
Mexico	-6	-	-	-39	-	40	2	-
Netherlands	-	1	-	-	-	-15	-	-
Norway	-	-	-	-	-	0	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-14	-	-16	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	-	-	-
Qatar	0	-	-	-	-	-	-	-
Russia	-	-	-	-	-	77	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	0	-	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-16	0	-21	1	0
<b>Total</b>	<b>-10</b>	<b>1</b>	<b>-</b>	<b>69</b>	<b>9</b>	<b>52</b>	<b>10</b>	<b>4</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>39</b>	<b>612</b>
Algeria	—	—	—	0	—	0	19
Angola	—	—	—	—	—	11	49
Congo (Brazzaville)	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	0	—	2	2
Gabon	—	—	—	0	—	0	0
Iran	—	—	—	—	—	—	—
Iraq	—	—	—	0	—	0	110
Kuwait	0	0	—	0	—	10	34
Libya	—	—	—	0	—	0	0
Nigeria	—	—	—	0	—	-2	107
Saudi Arabia	0	0	—	0	—	11	284
United Arab Emirates	0	-4	0	3	0	8	8
Venezuela	—	—	—	0	—	0	0
<b>Non-OPEC</b>	<b>0</b>	<b>-436</b>	<b>22</b>	<b>-59</b>	<b>-1</b>	<b>-3,091</b>	<b>-820</b>
Argentina	0	3	—	-5	—	1	13
Aruba	—	—	—	0	—	0	0
Australia	0	-7	0	0	—	-7	-35
Bahamas	—	—	0	0	0	-29	-53
Bahrain	—	—	—	2	—	2	2
Belgium	0	0	—	-10	0	-5	-5
Brazil	0	-42	0	-14	0	-334	-231
Brunei	—	—	—	0	—	0	0
Cameroon	—	—	—	—	—	—	—
Canada	-1	-20	33	1	0	118	3,445
Chad	—	—	—	—	—	—	—
China	1	-67	0	-1	0	-286	-629
Colombia	0	0	1	-2	0	-53	75
Denmark	—	-4	—	0	—	-5	-30
Dominican Republic	0	-7	0	0	—	-94	-94
Ecuador	—	0	0	-1	—	-67	124
Estonia	—	—	—	—	—	0	0
Finland	—	—	—	0	—	18	18
France	0	-1	—	0	—	9	-65
Germany	0	—	0	1	0	6	-19
Guatemala	0	—	0	-1	—	-84	-84
Honduras	—	-5	—	0	—	-68	-68
India	0	-21	0	-5	0	-77	-507
Indonesia	0	—	0	5	—	-186	-186
Italy	0	-6	—	0	—	4	-69
Japan	0	-60	0	0	0	-462	-462
Korea, South	0	—	0	11	0	23	-117
Latvia	—	—	—	0	0	0	0
Lithuania	—	—	—	0	—	11	11
Malaysia	0	—	0	-7	0	4	4
Mexico	-1	-85	-8	-30	-1	-1,122	-577
Netherlands	0	-2	0	0	0	-70	-463
Norway	—	-4	—	0	—	-39	-12
Oman	—	-2	—	0	—	1	1
Panama	—	—	—	0	—	-108	-219
Portugal	0	—	—	0	—	10	10
Puerto Rico	0	—	0	0	—	-2	-2
Qatar	0	0	—	9	—	10	10
Russia	—	—	—	0	—	539	570
Spain	0	-40	—	0	—	-60	-133
Sweden	—	0	—	0	—	20	-4
Trinidad and Tobago	—	—	—	-1	—	-11	24
United Kingdom	1	—	0	0	0	-34	-225
Vietnam	—	0	—	0	0	0	0
Virgin Islands, U.S.	—	—	0	0	—	-25	-25
Yemen	—	—	—	0	—	0	0
Other	0	-66	-4	-11	0	-639	-813
<b>Total</b>	<b>0</b>	<b>-440</b>	<b>22</b>	<b>-57</b>	<b>-1</b>	<b>-3,052</b>	<b>-207</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-4</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>41</b>	<b>449</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-November 2020**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>838</b>	<b>-8</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>19</b>
Algeria	2	-	-	3	-	-	-	-	5	5
Angola	29	-	-	0	-	-	-	-	3	3
Congo (Brazzaville)	1,904	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	3	3
Iraq	185	-	-	0	-	0	0	0	-	0
Kuwait	23	-	-	2	-	0	0	0	-	0
Libya	9	0	-	0	-	0	0	-	-	-
Nigeria	67	-12	-	2	-	-2	-2	-	3	3
Saudi Arabia	534	0	-	4	-	3	3	1	3	4
United Arab Emirates	-17	1	-	0	-	0	0	-	2	2
Venezuela	-	0	-	0	-	0	0	0	0	0
<b>Non-OPEC</b>	<b>1,897</b>	<b>-1,935</b>	<b>15</b>	<b>281</b>	<b>-</b>	<b>-604</b>	<b>-604</b>	<b>167</b>	<b>230</b>	<b>398</b>
Argentina	37	0	-	-3	-	-2	-2	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-32	-12	-	0	-	0	0	0	0	0
Bahamas	-13	-4	-	0	-	-4	-4	0	-1	-1
Bahrain	-	-	-	0	-	0	0	0	-	0
Belgium	-5	-16	-	7	-	3	3	6	7	13
Brazil	42	-54	-	-40	-	-53	-53	0	20	20
Brunei	16	-	-	-	-	-	-	-	-	-
Cameroon	19	0	-	-	-	-	-	-	-	-
Canada	3,175	-178	15	-37	-	-6	-6	99	10	108
Chad	-	0	-	-	-	-	-	-	-	-
China	-460	-155	-	-3	-	0	0	-	-	-
Colombia	238	-1	-	-26	-	-22	-22	-	1	1
Denmark	-38	-	-	0	-	0	0	0	0	0
Dominican Republic	-9	-34	-	0	-	-9	-9	0	-1	-1
Ecuador	169	-35	-	13	-	-9	-9	0	-4	-4
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-8	-	1	-	1	1	0	13	13
France	-77	-26	-	-2	-	11	11	8	0	8
Germany	-107	-1	-	2	-	0	0	0	2	2
Guatemala	3	-11	-	0	-	-36	-36	0	0	0
Honduras	-	-14	-	0	-	-12	-12	0	0	0
India	-251	-108	-	1	-	1	1	0	59	59
Indonesia	-14	-93	-	0	-	-4	-4	-	-	-
Italy	-141	-3	-	7	-	0	0	1	15	16
Japan	-15	-426	-	-35	-	-2	-2	0	2	2
Korea, South	-263	-126	-	-38	-	6	6	2	9	10
Latvia	-	-	-	-	-	0	0	-	0	0
Lithuania	-2	-	-	-	-	1	1	-	4	4
Malaysia	-19	0	-	5	-	0	0	-	0	0
Mexico	656	-172	0	25	-	-410	-410	0	-14	-15
Netherlands	-292	-65	-	-15	-	10	10	21	25	46
Norway	9	-27	-	2	-	1	1	1	7	8
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-21	-3	-	0	-	-24	-24	-	0	0
Portugal	-16	-18	-	1	-	17	17	3	3	6
Puerto Rico	-	-1	-	0	-	-2	-2	0	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	76	0	-	392	-	6	6	2	25	27
Spain	-71	-29	-	3	-	9	9	1	15	15
Sweden	-38	-13	-	7	-	2	2	0	4	4
Trinidad and Tobago	38	0	-	0	-	-3	-3	-	-	-
United Kingdom	-219	-69	-	7	-	3	3	23	16	40
Vietnam	-12	-6	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-8	-5	-	-2	-	-1	-1	-	0	0
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-458	-222	0	9	-	-75	-75	0	12	16
<b>Total</b>	<b>2,735</b>	<b>-1,943</b>	<b>15</b>	<b>292</b>	<b>-</b>	<b>-603</b>	<b>-603</b>	<b>168</b>	<b>249</b>	<b>417</b>
<b>Persian Gulf<sup>2</sup></b>	<b>725</b>	<b>1</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>9</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	--	--	-4	0	-	-	1	0	-	-	1
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	0	-	-	-	0
Kuwait	--	--	0	0	-	-	0	-	-	-	0
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-3	-	-	-	2	-	-	-	2
Saudi Arabia	--	--	-1	-	-	-	-3	-	-	-	-3
United Arab Emirates	--	--	0	-	-	-	3	-	-	-	3
Venezuela	--	--	-	-	-	-	0	0	-	-	0
<b>Non-OPEC</b>	--	--	-74	3	17	-	-826	-92	-89	-	-1,008
Argentina	--	--	0	-	-	-	-16	-	-	-	-16
Aruba	--	--	0	-	-	-	0	-	-	-	0
Australia	--	--	0	-	-	-	-4	-	0	-	-4
Bahamas	--	--	0	-	-	-	-17	-2	-7	-	-27
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	0	-	-	-2	-1	-	-	-3
Brazil	--	--	-4	-	-	-	-161	-11	-8	-	-180
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	0	-	-	-	0
Canada	--	--	-22	-1	-	-	122	-10	-4	-	108
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-1	0	-	-	0	1	0	-	1
Colombia	--	--	-5	-	-	-	0	0	-	-	0
Denmark	--	--	0	0	-	-	-1	-	-	-	-1
Dominican Republic	--	--	0	-	-	-	-9	0	-4	-	-13
Ecuador	--	--	0	-	-	-	-32	-3	-9	-	-44
Estonia	--	--	-	-	-	-	-1	-	-	-	-1
Finland	--	--	-1	-	-	-	-1	-	-	-	-1
France	--	--	0	-	-	-	-34	-	0	-	-34
Germany	--	--	0	3	-	-	-1	0	-	-	-1
Guatemala	--	--	0	0	-	-	-11	-16	-6	-	-33
Honduras	--	--	0	-	-	-	-13	-5	-3	-	-21
India	--	--	-13	-	-	-	4	2	0	-	7
Indonesia	--	--	0	-	-	-	-1	-	-	-	-1
Italy	--	--	0	-	-	-	0	0	-	-	-1
Japan	--	--	0	0	-	-	1	0	-	-	1
Korea, South	--	--	-7	2	-	-	7	-	-	-	7
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	2	-	-	-	2
Mexico	--	--	-4	0	-	-	-245	-2	-3	-	-249
Netherlands	--	--	-5	0	-	-	-34	-4	-3	-	-41
Norway	--	--	-1	0	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-53	-11	-6	-	-70
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	0	-	-	0	0	-	-	0
Qatar	--	--	0	-	-	-	3	-	-	-	3
Russia	--	--	0	-	-	-	8	0	-	-	8
Spain	--	--	0	1	-	-	-9	-1	-1	-	-11
Sweden	--	--	0	-	-	-	-2	-	-	-	-2
Trinidad and Tobago	--	--	0	-	-	-	-4	-7	-6	-	-18
United Kingdom	--	--	-1	0	-	-	-32	0	-2	-	-34
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-8	-4	-1	-	-13
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-10	-2	17	-	-281	-18	-26	-	-325
<b>Total</b>	--	--	-78	3	17	-	-825	-92	-89	-	-1,006
<b>Persian Gulf<sup>2</sup></b>	--	--	-1	0	-	-	3	-	-	-	3

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>-</b>
Algeria	-	-	-	1	-	1	-	-
Angola	-	-	-	1	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	6	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	0	-	-
Saudi Arabia	-	-	-	4	1	0	0	-
United Arab Emirates	0	-	-	2	-	1	-	-
Venezuela	-	-	-	-	-	0	-	-
<b>Non-OPEC</b>	<b>-4</b>	<b>1</b>	<b>-</b>	<b>42</b>	<b>12</b>	<b>23</b>	<b>15</b>	<b>3</b>
Argentina	0	-	-	0	-	2	-	0
Aruba	0	-	-	0	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	0	-	-	-3	-	-11	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	0	-
Brazil	0	-	-	-2	1	3	-	0
Brunei	-	-	-	4	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-2	0	-	-11	2	1	3	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	1	-	0	-	-
Colombia	0	-	-	0	-	3	-	-
Denmark	-	-	-	-	-	2	-	-
Dominican Republic	0	-	-	-2	-	-4	-	-
Ecuador	0	-	-	0	-	2	-	-
Estonia	-	-	-	-	-	0	-	-
Finland	0	-	-	-1	-	0	-	-
France	-	-	-	-	0	1	0	1
Germany	-	-	-	-	0	1	-	-
Guatemala	0	-	-	-1	-	0	-	-
Honduras	0	-	-	-1	-	-2	-	-
India	0	-	-	10	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	0	-	1	-	-
Japan	1	-	-	15	2	0	3	-
Korea, South	0	-	-	79	6	0	0	-
Latvia	-	-	-	0	-	0	-	-
Lithuania	-	-	-	-	-	1	-	-
Malaysia	0	-	-	0	-	-2	-	-
Mexico	-3	-	-	-31	0	24	5	-
Netherlands	-	1	-	-2	0	-3	3	-
Norway	-	-	-	-	-	0	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-5	-	-16	-	-
Portugal	-	-	-	-	-	1	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	3	-	-	-	-
Russia	0	-	-	0	-	40	-	-
Spain	-	-	-	0	0	-1	-	-
Sweden	-	-	-	-	-	3	-	-
Trinidad and Tobago	0	-	-	-2	-	-	-	-
United Kingdom	0	-	-	-1	0	1	0	-
Vietnam	-	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-1	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-7	0	-25	1	0
<b>Total</b>	<b>-4</b>	<b>1</b>	<b>-</b>	<b>55</b>	<b>13</b>	<b>25</b>	<b>16</b>	<b>3</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>-</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-November 2020**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-6</b>	<b>-1</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>867</b>
Algeria	—	—	—	0	—	9	11
Angola	—	—	—	0	—	3	33
Congo (Brazzaville)	—	—	—	—	—	—	1,909
Equatorial Guinea	—	—	—	0	—	3	3
Gabon	—	—	—	0	—	0	0
Iran	—	—	—	—	—	3	3
Iraq	0	—	—	0	—	0	186
Kuwait	0	0	0	0	—	8	31
Libya	—	—	—	0	—	0	9
Nigeria	—	-2	0	-2	—	-13	54
Saudi Arabia	0	-1	-1	0	0	10	544
United Arab Emirates	0	-4	0	2	0	6	-10
Venezuela	—	—	—	0	0	0	0
<b>Non-OPEC</b>	<b>0</b>	<b>-511</b>	<b>21</b>	<b>-59</b>	<b>-1</b>	<b>-3,364</b>	<b>-1,467</b>
Argentina	0	4	0	-3	0	-16	21
Aruba	—	—	0	0	—	-2	-2
Australia	0	-7	-2	0	0	-25	-57
Bahamas	—	—	0	0	0	-49	-62
Bahrain	0	—	—	1	—	1	1
Belgium	0	-2	-1	-11	0	-9	-14
Brazil	0	-39	0	-11	0	-358	-316
Brunei	—	—	—	0	—	4	20
Cameroon	0	—	—	0	—	0	19
Canada	-1	-22	34	-1	0	-9	3,166
Chad	—	—	—	—	—	0	0
China	1	-60	0	-1	0	-217	-676
Colombia	0	0	1	-2	0	-50	187
Denmark	0	-2	—	0	—	0	-38
Dominican Republic	0	-4	-2	0	0	-70	-79
Ecuador	0	-4	0	-1	0	-83	86
Estonia	—	—	—	0	—	-1	-1
Finland	0	—	—	0	—	4	4
France	0	-4	—	0	0	-47	-124
Germany	0	-1	0	0	0	5	-103
Guatemala	0	-8	0	0	—	-89	-86
Honduras	0	-8	0	0	0	-58	-58
India	0	-86	0	-3	0	-132	-383
Indonesia	0	0	0	3	0	-95	-110
Italy	0	-14	0	1	0	6	-135
Japan	0	-52	0	0	0	-493	-508
Korea, South	0	-4	0	9	0	-54	-317
Latvia	—	—	—	0	0	0	0
Lithuania	0	—	—	0	0	6	5
Malaysia	0	-2	0	-1	0	4	-15
Mexico	-1	-53	-9	-29	-1	-921	-265
Netherlands	0	-8	0	0	0	-80	-372
Norway	0	-3	—	0	0	-21	-11
Oman	0	0	0	0	—	0	0
Panama	0	-1	0	-2	0	-122	-143
Portugal	0	-2	—	0	—	6	-10
Puerto Rico	0	—	0	0	—	-3	-3
Qatar	0	-1	—	8	—	13	13
Russia	0	0	0	0	—	473	549
Spain	0	-15	1	0	0	-26	-97
Sweden	0	0	—	0	0	0	-38
Trinidad and Tobago	0	0	0	0	0	-23	15
United Kingdom	0	-4	0	0	0	-57	-276
Vietnam	0	-2	0	0	0	-9	-21
Virgin Islands, U.S.	—	—	0	0	—	-23	-32
Yemen	—	—	—	0	—	0	0
Other	1	-107	-1	-16	0	-744	-1,201
<b>Total</b>	<b>0</b>	<b>-517</b>	<b>21</b>	<b>-59</b>	<b>-1</b>	<b>-3,334</b>	<b>-600</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-5</b>	<b>-1</b>	<b>12</b>	<b>0</b>	<b>42</b>	<b>767</b>

-- = Not Applicable.

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>9,916</b>	<b>148,348</b>	<b>909,173</b>	<b>24,361</b>	<b>46,707</b>	<b>1,138,505</b>
Refinery .....	6,138	13,892	46,426	2,333	18,547	87,336
Tank Farms and Pipelines (Includes Cushing, OK) ....	3,778	134,456	224,662	22,028	24,977	409,901
Cushing, Oklahoma .....	--	59,521	--	--	--	59,521
Leases .....	--	--	--	--	--	--
Strategic Petroleum Reserve <sup>1</sup> .....	--	--	638,085	--	--	638,085
Alaskan In Transit .....	--	--	--	--	3,183	3,183
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>180,553</b>	<b>176,787</b>	<b>419,324</b>	<b>25,217</b>	<b>87,146</b>	<b>889,028</b>
Refinery .....	11,620	45,574	113,945	10,888	44,373	226,400
Bulk Terminal .....	140,291	93,448	248,469	7,559	37,660	527,428
Pipeline .....	26,972	36,317	55,192	6,560	4,673	129,714
Natural Gas Processing Plant .....	1,670	1,448	1,718	210	440	5,486
<b>Natural Gas Liquids</b> .....	<b>12,941</b>	<b>55,756</b>	<b>183,516</b>	<b>7,383</b>	<b>5,735</b>	<b>265,331</b>
Refinery .....	409	4,825	5,169	460	1,558	12,421
Bulk Terminal .....	9,024	32,198	154,812	2,269	3,737	202,040
Pipeline .....	1,838	17,285	21,817	4,444	--	45,384
Natural Gas Processing Plant .....	1,670	1,448	1,718	210	440	5,486
<b>Ethane</b> .....	<b>1,139</b>	<b>6,176</b>	<b>68,621</b>	<b>943</b>	<b>--</b>	<b>76,879</b>
Refinery .....	--	--	116	--	--	116
Bulk Terminal .....	538	2,750	60,471	--	--	63,759
Pipeline .....	457	3,261	7,813	939	--	12,470
Natural Gas Processing Plant .....	144	165	221	4	--	534
<b>Propane</b> .....	<b>8,802</b>	<b>25,846</b>	<b>49,713</b>	<b>3,180</b>	<b>2,735</b>	<b>90,276</b>
Refinery .....	96	1,823	700	43	89	2,751
Bulk Terminal .....	7,106	19,247	41,667	1,274	2,513	71,807
Pipeline .....	1,037	4,051	7,159	1,772	--	14,019
Natural Gas Processing Plant .....	563	725	187	91	133	1,699
<b>Normal Butane</b> .....	<b>1,932</b>	<b>11,069</b>	<b>31,730</b>	<b>2,044</b>	<b>2,557</b>	<b>49,332</b>
Refinery .....	186	2,273	3,337	317	1,097	7,210
Bulk Terminal .....	1,218	7,468	25,718	987	1,219	36,610
Pipeline .....	257	1,191	2,432	697	--	4,577
Natural Gas Processing Plant .....	271	137	243	43	241	935
<b>Isobutane</b> .....	<b>271</b>	<b>1,790</b>	<b>9,440</b>	<b>442</b>	<b>398</b>	<b>12,341</b>
Refinery .....	127	467	751	85	371	1,801
Bulk Terminal .....	--	406	7,531	--	3	7,940
Pipeline .....	44	741	1,019	341	--	2,145
Natural Gas Processing Plant .....	100	176	139	16	24	455
<b>Natural Gasoline</b> .....	<b>797</b>	<b>10,875</b>	<b>24,012</b>	<b>774</b>	<b>45</b>	<b>36,503</b>
Refinery .....	--	262	265	15	1	543
Bulk Terminal .....	162	2,327	19,425	8	2	21,924
Pipeline .....	43	8,041	3,394	695	--	12,173
Natural Gas Processing Plant .....	592	245	928	56	42	1,863
<b>Refinery Olefins</b> .....	<b>397</b>	<b>463</b>	<b>1,148</b>	<b>64</b>	<b>15</b>	<b>2,087</b>
Refinery .....	397	463	1,148	64	15	2,087
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Ethylene</b> .....	<b>--</b>	<b>--</b>	<b>0</b>	<b>--</b>	<b>--</b>	<b>0</b>
Refinery .....	--	--	0	--	--	0
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Propylene</b> .....	<b>160</b>	<b>404</b>	<b>696</b>	<b>0</b>	<b>9</b>	<b>1,269</b>
Refinery .....	160	404	696	0	9	1,269
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Normal Butylene</b> .....	<b>193</b>	<b>59</b>	<b>448</b>	<b>64</b>	<b>6</b>	<b>770</b>
Refinery .....	193	59	448	64	6	770
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Isobutylene</b> .....	<b>44</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>48</b>
Refinery .....	44	0	4	0	0	48
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
Natural Gas Processing Plant .....	--	--	--	--	--	--
<b>Other Hydrocarbons</b> .....	<b>--</b>	<b>13</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>13</b>
Refinery .....	--	13	--	--	--	13
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>MTBE</b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal <sup>3</sup> .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Other Oxygenates<sup>4</sup></b> .....	--	--	--	--	--	--
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	--	--	--	--
Pipeline .....	--	--	--	--	--	--
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	<b>8,130</b>	<b>10,398</b>	<b>5,222</b>	<b>486</b>	<b>4,356</b>	<b>28,593</b>
Refinery .....	218	172	479	198	440	1,507
Bulk Terminal .....	7,912	10,226	4,743	283	3,916	27,081
Pipeline .....	--	--	--	5	--	5
<b>Fuel Ethanol<sup>2</sup></b> .....	<b>6,694</b>	<b>9,242</b>	<b>3,996</b>	<b>426</b>	<b>2,899</b>	<b>23,257</b>
Refinery .....	211	126	145	142	116	740
Bulk Terminal .....	6,483	9,116	3,851	279	2,783	22,512
Pipeline .....	--	--	--	5	--	5
<b>Renewable Diesel Fuel<sup>5</sup></b> .....	<b>1,436</b>	<b>1,156</b>	<b>1,216</b>	<b>60</b>	<b>1,440</b>	<b>5,309</b>
Refinery .....	7	46	334	56	324	767
Bulk Terminal .....	1,429	1,110	882	4	1,116	4,542
Pipeline .....	--	--	--	--	--	--
<b>Other Renewable Fuels</b> .....	<b>--</b>	<b>--</b>	<b>10</b>	<b>--</b>	<b>17</b>	<b>27</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	--	--	10	--	17	27
Pipeline .....	--	--	--	--	--	--
<b>Unfinished Oils</b> .....	<b>3,795</b>	<b>11,450</b>	<b>44,946</b>	<b>2,740</b>	<b>17,243</b>	<b>80,174</b>
<b>Naphthas and Lighter</b> .....	<b>753</b>	<b>3,360</b>	<b>10,443</b>	<b>614</b>	<b>2,714</b>	<b>17,884</b>
Refinery .....	715	3,338	9,518	614	2,480	16,665
Bulk Terminal .....	38	22	925	--	234	1,219
<b>Kerosene and Light Gas Oils</b> .....	<b>266</b>	<b>1,883</b>	<b>8,650</b>	<b>467</b>	<b>2,831</b>	<b>14,097</b>
Refinery .....	257	1,883	5,911	467	2,607	11,125
Bulk Terminal .....	9	--	2,739	--	224	2,972
<b>Heavy Gas Oils</b> .....	<b>2,151</b>	<b>4,023</b>	<b>20,018</b>	<b>1,285</b>	<b>8,710</b>	<b>36,187</b>
Refinery .....	1,863	3,995	18,045	1,285	8,274	33,462
Bulk Terminal .....	288	28	1,973	--	436	2,725
<b>Residuum</b> .....	<b>625</b>	<b>2,184</b>	<b>5,835</b>	<b>374</b>	<b>2,988</b>	<b>12,006</b>
Refinery .....	625	2,184	5,418	374	2,983	11,584
Bulk Terminal .....	--	--	417	--	5	422
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	<b>63,336</b>	<b>44,879</b>	<b>73,549</b>	<b>6,435</b>	<b>27,993</b>	<b>216,192</b>
Refinery .....	3,870	11,926	27,163	3,623	13,246	59,828
Bulk Terminal .....	47,733	24,604	31,364	1,880	12,316	117,897
Pipeline .....	11,733	8,349	15,022	932	2,431	38,467
<b>Reformulated - RBOB</b> .....	<b>22,024</b>	<b>5,858</b>	<b>10,835</b>	<b>--</b>	<b>14,822</b>	<b>53,539</b>
Refinery .....	1,461	980	1,770	--	5,240	9,451
Bulk Terminal .....	16,354	3,957	4,947	--	8,203	33,461
Pipeline .....	4,209	921	4,118	--	1,379	10,627
<b>Conventional</b> .....	<b>41,312</b>	<b>39,021</b>	<b>62,714</b>	<b>6,435</b>	<b>13,171</b>	<b>162,653</b>
Refinery .....	2,409	10,946	25,393	3,623	8,006	50,377
Bulk Terminal .....	31,379	20,647	26,417	1,880	4,113	84,436
Pipeline .....	7,524	7,428	10,904	932	1,052	27,840
<b>CBOB</b> .....	<b>28,389</b>	<b>32,272</b>	<b>34,218</b>	<b>4,948</b>	<b>7,054</b>	<b>106,881</b>
Refinery .....	277	5,031	11,108	2,139	2,105	20,660
Bulk Terminal .....	21,024	19,872	12,601	1,877	3,898	59,272
Pipeline .....	7,088	7,369	10,509	932	1,051	26,949
<b>GTAB</b> .....	<b>930</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>930</b>
Refinery .....	--	--	--	--	--	--
Bulk Terminal .....	930	--	--	--	--	930
Pipeline .....	--	--	--	--	--	--
<b>Other</b> .....	<b>11,993</b>	<b>6,749</b>	<b>28,496</b>	<b>1,487</b>	<b>6,117</b>	<b>54,842</b>
Refinery .....	2,132	5,915	14,285	1,484	5,901	29,717
Bulk Terminal .....	9,425	775	13,816	3	215	24,234
Pipeline .....	436	59	395	--	1	891
<b>Aviation Gasoline Blending Components</b> .....	<b>--</b>	<b>--</b>	<b>30</b>	<b>--</b>	<b>--</b>	<b>30</b>
Refinery .....	--	--	30	--	--	30
Bulk Terminal .....	--	--	--	--	--	--
<b>Finished Motor Gasoline</b> .....	<b>3,957</b>	<b>7,722</b>	<b>8,609</b>	<b>2,005</b>	<b>2,746</b>	<b>25,039</b>
Refinery .....	25	1,544	3,059	888	594	6,110
Bulk Terminal .....	1,468	3,313	4,078	752	2,053	11,664
Pipeline .....	2,464	2,865	1,472	365	99	7,265
<b>Reformulated</b> .....	<b>34</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>18</b>	<b>52</b>
Refinery .....	--	--	--	--	18	18
Bulk Terminal .....	34	--	--	--	--	34
Pipeline .....	--	--	--	--	--	--
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	<b>34</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>18</b>	<b>52</b>
Refinery .....	--	--	--	--	18	18
Bulk Terminal .....	34	--	--	--	--	34
Pipeline .....	--	--	--	--	--	--

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Reformulated (Other)</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>3,923</b>	<b>7,722</b>	<b>8,609</b>	<b>2,005</b>	<b>2,728</b>	<b>24,987</b>
Refinery .....	25	1,544	3,059	888	576	6,092
Bulk Terminal .....	1,434	3,313	4,078	752	2,053	11,630
Pipeline .....	2,464	2,865	1,472	365	99	7,265
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>—</b>	<b>129</b>	<b>—</b>	<b>72</b>	<b>20</b>	<b>221</b>
Refinery .....	—	—	—	70	—	70
Bulk Terminal .....	—	129	—	2	20	151
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>—</b>	<b>129</b>	<b>—</b>	<b>72</b>	<b>—</b>	<b>201</b>
Refinery .....	—	—	—	70	—	70
Bulk Terminal .....	—	129	—	2	—	131
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	20	20
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>3,923</b>	<b>7,593</b>	<b>8,609</b>	<b>1,933</b>	<b>2,708</b>	<b>24,766</b>
Refinery .....	25	1,544	3,059	818	576	6,022
Bulk Terminal .....	1,434	3,184	4,078	750	2,033	11,479
Pipeline .....	2,464	2,865	1,472	365	99	7,265
<b>Finished Aviation Gasoline</b> .....	<b>249</b>	<b>170</b>	<b>402</b>	<b>6</b>	<b>253</b>	<b>1,080</b>
Refinery .....	—	87	282	6	138	513
Bulk Terminal .....	249	83	120	—	115	567
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>9,222</b>	<b>6,763</b>	<b>12,869</b>	<b>607</b>	<b>8,184</b>	<b>37,645</b>
Refinery .....	365	1,803	4,737	301	2,904	10,110
Bulk Terminal .....	6,024	3,188	4,568	228	4,421	18,429
Pipeline .....	2,833	1,772	3,564	78	859	9,106
<b>Kerosene</b> .....	<b>2,247</b>	<b>200</b>	<b>182</b>	<b>2</b>	<b>11</b>	<b>2,642</b>
Refinery .....	144	110	101	2	1	358
Bulk Terminal .....	1,919	90	6	—	10	2,025
Pipeline .....	184	—	75	—	—	259
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>61,654</b>	<b>26,385</b>	<b>52,057</b>	<b>3,988</b>	<b>12,197</b>	<b>156,281</b>
Refinery .....	1,281	6,197	14,818	1,671	4,927	28,894
Bulk Terminal .....	52,453	14,142	23,997	1,581	5,986	98,159
Pipeline .....	7,920	6,046	13,242	736	1,284	29,228
<b>15 ppm sulfur and Under</b> .....	<b>56,942</b>	<b>25,772</b>	<b>46,493</b>	<b>3,771</b>	<b>11,286</b>	<b>144,264</b>
Refinery .....	1,000	5,797	12,707	1,512	4,336	25,352
Bulk Terminal .....	48,488	14,106	21,144	1,523	5,717	90,978
Pipeline .....	7,454	5,869	12,642	736	1,233	27,934
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>1,510</b>	<b>277</b>	<b>1,154</b>	<b>151</b>	<b>309</b>	<b>3,401</b>
Refinery .....	52	90	751	93	268	1,254
Bulk Terminal .....	1,458	25	352	58	14	1,907
Pipeline .....	—	162	51	—	27	240
<b>Greater than 500 ppm sulfur</b> .....	<b>3,202</b>	<b>336</b>	<b>4,410</b>	<b>66</b>	<b>602</b>	<b>8,616</b>
Refinery .....	229	310	1,360	66	323	2,288
Bulk Terminal .....	2,507	11	2,501	—	255	5,274
Pipeline .....	466	15	549	—	24	1,054
<b>Residual Fuel Oil</b> .....	<b>8,682</b>	<b>1,308</b>	<b>16,468</b>	<b>179</b>	<b>4,542</b>	<b>31,179</b>
Refinery .....	254	929	3,202	179	1,773	6,337
Bulk Terminal .....	8,428	379	13,266	—	2,769	24,842
Pipeline .....	—	—	—	—	—	—
<b>Less than 0.31% Sulfur</b> .....	<b>884</b>	<b>64</b>	<b>1,469</b>	<b>26</b>	<b>755</b>	<b>3,198</b>
Refinery .....	21	63	26	26	19	155
Bulk Terminal .....	863	1	1,443	—	736	3,043
<b>0.31% to 1.00% Sulfur</b> .....	<b>2,305</b>	<b>327</b>	<b>3,789</b>	<b>6</b>	<b>622</b>	<b>7,049</b>
Refinery .....	42	211	512	6	227	998
Bulk Terminal .....	2,263	116	3,277	—	395	6,051
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>5,493</b>	<b>917</b>	<b>11,210</b>	<b>147</b>	<b>3,165</b>	<b>20,932</b>
Refinery .....	191	655	2,664	147	1,527	5,184
Bulk Terminal .....	5,302	262	8,546	—	1,638	15,748
<b>Petrochemical Feedstocks</b> .....	<b>—</b>	<b>561</b>	<b>2,193</b>	<b>—</b>	<b>2</b>	<b>2,756</b>
Refinery .....	—	561	2,193	—	2	2,756
Naphtha for Petrochemical Feedstock Use .....	—	462	1,475	—	2	1,939
Other Oils for Petrochemical Feedstock Use .....	—	99	718	—	—	817
<b>Special Naphthas</b> .....	<b>44</b>	<b>132</b>	<b>899</b>	<b>—</b>	<b>53</b>	<b>1,128</b>
Refinery .....	19	81	891	—	53	1,044
Bulk Terminal .....	25	51	8	—	—	84
<b>Lubricants</b> .....	<b>956</b>	<b>566</b>	<b>7,671</b>	<b>—</b>	<b>660</b>	<b>9,853</b>
Refinery .....	506	140	4,731	—	485	5,862
Bulk Terminal .....	450	426	2,940	—	175	3,991
<b>Waxes</b> .....	<b>254</b>	<b>50</b>	<b>240</b>	<b>—</b>	<b>—</b>	<b>544</b>
Refinery .....	254	50	240	—	—	544
<b>Petroleum Coke</b> .....	<b>—</b>	<b>1,673</b>	<b>4,146</b>	<b>238</b>	<b>1,259</b>	<b>7,316</b>
Refinery .....	—	1,673	4,146	238	1,259	7,316
<b>Asphalt and Road Oil</b> .....	<b>4,636</b>	<b>8,190</b>	<b>4,824</b>	<b>1,071</b>	<b>1,797</b>	<b>20,518</b>
Refinery .....	367	3,492	2,311	505	534	7,209
Bulk Terminal .....	4,269	4,698	2,513	566	1,263	13,309

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Miscellaneous Products</b> .....	<b>53</b>	<b>108</b>	<b>353</b>	<b>13</b>	<b>100</b>	<b>627</b>
Refinery .....	51	108	353	13	100	625
Bulk Terminal .....	2	—	—	—	—	2
Pipeline .....	—	—	—	—	—	—
<b>Total Stocks, All Oils</b> .....	<b>190,469</b>	<b>325,135</b>	<b>1,328,497</b>	<b>49,578</b>	<b>133,853</b>	<b>2,027,533</b>

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

<sup>1</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>2</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>3</sup> Includes stocks held at fuel ethanol production facilities.

<sup>4</sup> Includes stocks held by merchant producers.

<sup>5</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>6</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, November 2020**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b>	<b>34</b>	<b>1,459</b>	<b>1,493</b>	<b>17,815</b>	<b>33,788</b>	<b>51,603</b>	<b>2,063</b>
Connecticut	—	—	—	1,162	14	1,176	98
Delaware	—	—	—	830	367	1,197	58
District of Columbia	—	—	—	—	—	—	—
Florida	—	604	604	—	6,226	6,226	—
Georgia	—	312	312	—	2,421	2,421	—
Maine	—	—	—	540	408	948	218
Maryland	—	—	—	1,978	85	2,063	114
Massachusetts	5	—	5	1,720	—	1,720	47
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	31	31	7,312	11,229	18,541	435
New York	29	12	41	805	2,722	3,527	665
North Carolina	—	226	226	—	2,567	2,567	180
Pennsylvania	—	14	14	809	4,501	5,310	181
Rhode Island	—	—	—	675	—	675	—
South Carolina	—	180	180	—	1,444	1,444	12
Vermont	—	—	—	—	66	66	5
Virginia	—	47	47	1,984	1,617	3,601	50
West Virginia	—	33	33	—	121	121	—
<b>PAD District 2</b>	<b>—</b>	<b>4,857</b>	<b>4,857</b>	<b>4,937</b>	<b>31,593</b>	<b>36,530</b>	<b>200</b>
Illinois	—	378	378	2,445	3,913	6,358	102
Indiana	—	224	224	895	4,525	5,420	10
Iowa	—	284	284	—	1,913	1,913	—
Kansas	—	535	535	—	2,636	2,636	18
Kentucky	—	241	241	490	1,229	1,719	—
Michigan	—	173	173	74	3,234	3,308	—
Minnesota	—	621	621	0	2,296	2,296	—
Missouri	—	250	250	312	598	910	—
Nebraska	—	107	107	—	627	627	—
North Dakota	—	160	160	—	759	759	—
Ohio	—	887	887	—	3,891	3,891	19
Oklahoma	—	605	605	—	2,175	2,175	—
South Dakota	—	89	89	—	445	445	—
Tennessee	—	202	202	—	2,041	2,041	—
Wisconsin	—	101	101	721	1,311	2,032	51
<b>PAD District 3</b>	<b>—</b>	<b>7,137</b>	<b>7,137</b>	<b>6,717</b>	<b>51,810</b>	<b>58,527</b>	<b>107</b>
Alabama	—	169	169	13	1,523	1,536	3
Arkansas	—	141	141	—	906	906	—
Louisiana	—	1,030	1,030	259	13,091	13,350	78
Mississippi	—	1,111	1,111	19	1,638	1,657	—
New Mexico	—	30	30	—	596	596	—
Texas	—	4,656	4,656	6,426	34,056	40,482	26
<b>PAD District 4</b>	<b>—</b>	<b>1,640</b>	<b>1,640</b>	<b>—</b>	<b>5,503</b>	<b>5,503</b>	<b>2</b>
Colorado	—	281	281	—	1,230	1,230	—
Idaho	—	323	323	—	144	144	—
Montana	—	439	439	—	1,275	1,275	—
Utah	—	87	87	—	1,585	1,585	2
Wyoming	—	510	510	—	1,269	1,269	—
<b>PAD District 5</b>	<b>18</b>	<b>2,629</b>	<b>2,647</b>	<b>13,443</b>	<b>12,119</b>	<b>25,562</b>	<b>11</b>
Alaska	—	835	835	—	—	—	10
Arizona	—	51	51	1,008	440	1,448	—
California	18	124	142	11,940	5,521	17,461	1
Hawaii	—	622	622	—	700	700	—
Nevada	—	241	241	21	385	406	—
Oregon	—	45	45	—	1,335	1,335	—
Washington	—	711	711	474	3,738	4,212	—
<b>U.S. Total</b>	<b>52</b>	<b>17,722</b>	<b>17,774</b>	<b>42,912</b>	<b>134,813</b>	<b>177,725</b>	<b>2,383</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, November 2020**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b>	<b>49,488</b>	<b>1,510</b>	<b>2,736</b>	<b>53,734</b>	<b>8,682</b>	<b>7,765</b>
Connecticut	5,433	—	—	5,433	17	—
Delaware	705	22	65	792	729	15
District of Columbia	—	—	—	—	—	—
Florida	2,472	206	—	2,678	1,474	350
Georgia	1,768	—	—	1,768	245	11
Maine	2,287	4	25	2,316	80	—
Maryland	4,081	—	—	4,081	524	3
Massachusetts	2,420	48	338	2,806	130	—
New Hampshire	577	—	—	577	39	484
New Jersey	12,574	886	1,451	14,911	3,553	63
New York	6,975	57	108	7,140	1,558	2,267
North Carolina	1,107	—	8	1,115	—	417
Pennsylvania	4,382	2	160	4,544	190	2,409
Rhode Island	1,580	—	—	1,580	—	—
South Carolina	816	—	—	816	35	857
Vermont	146	—	—	146	—	—
Virginia	2,026	258	581	2,865	108	2
West Virginia	139	27	—	166	—	524
<b>PAD District 2</b>	<b>19,903</b>	<b>115</b>	<b>321</b>	<b>20,339</b>	<b>1,308</b>	<b>21,795</b>
Illinois	2,942	—	2	2,944	658	1,180
Indiana	2,227	—	76	2,303	89	386
Iowa	1,366	1	—	1,367	1	539
Kansas	1,862	—	—	1,862	32	11,328
Kentucky	992	4	—	996	—	322
Michigan	1,346	—	—	1,346	144	6,353
Minnesota	1,410	—	23	1,433	121	409
Missouri	557	20	4	581	—	202
Nebraska	535	—	—	535	—	366
North Dakota	705	1	—	706	34	46
Ohio	2,268	—	70	2,338	98	547
Oklahoma	1,432	81	33	1,546	47	53
South Dakota	334	—	—	334	—	17
Tennessee	1,025	—	—	1,025	59	3
Wisconsin	902	8	113	1,023	25	44
<b>PAD District 3</b>	<b>33,851</b>	<b>1,103</b>	<b>3,861</b>	<b>38,815</b>	<b>16,468</b>	<b>42,554</b>
Alabama	1,696	1	29	1,726	495	18
Arkansas	685	—	—	685	—	41
Louisiana	5,096	465	981	6,542	8,156	1,843
Mississippi	884	383	146	1,413	226	3,298
New Mexico	305	—	—	305	52	4
Texas	25,185	254	2,705	28,144	7,539	37,350
<b>PAD District 4</b>	<b>3,035</b>	<b>151</b>	<b>66</b>	<b>3,252</b>	<b>179</b>	<b>1,408</b>
Colorado	632	—	—	632	5	26
Idaho	351	—	—	351	—	—
Montana	886	82	—	968	69	27
Utah	641	8	66	715	46	1,284
Wyoming	525	61	—	586	59	71
<b>PAD District 5</b>	<b>10,053</b>	<b>282</b>	<b>578</b>	<b>10,913</b>	<b>4,542</b>	<b>2,735</b>
Alaska	945	—	69	1,014	118	5
Arizona	434	—	—	434	—	1,954
California	4,965	268	290	5,523	3,116	583
Hawaii	342	1	215	558	433	62
Nevada	381	—	4	385	—	—
Oregon	816	—	—	816	144	—
Washington	2,170	13	—	2,183	731	131
<b>U.S. Total</b>	<b>116,330</b>	<b>3,161</b>	<b>7,562</b>	<b>127,053</b>	<b>31,179</b>	<b>76,257</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, November 2020**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>733</b>	<b>40</b>	<b>0</b>	<b>2,089</b>	<b>50,237</b>	<b>6,515</b>	<b>3,449</b>	<b>2,200</b>	<b>15,023</b>
<b>Petroleum Products</b> .....	<b>16,707</b>	<b>75</b>	<b>0</b>	<b>20,726</b>	<b>36,138</b>	<b>10,648</b>	<b>4,916</b>	<b>92,545</b>	<b>13,894</b>
Natural Gas Liquids .....	7,112	75	0	8,155	26,144	6,892	892	1,612	7,645
Ethane .....	4,851	0	—	0	10,298	942	—	0	597
Propane .....	1,245	11	0	5,881	7,423	3,144	259	1,525	1,487
Normal Butane .....	245	20	0	2,120	4,314	1,302	462	70	282
Isobutane .....	421	44	0	154	1,034	469	171	17	505
Natural Gasoline .....	350	0	—	0	3,075	1,035	—	0	4,774
Refinery Olefins .....	0	0	—	387	383	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	387	383	—	—	0	0
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	38	0	—	0	359	—	—	0	78
Motor Gasoline Blending Components .....	6,216	0	0	1,069	1,570	1,527	0	55,010	2,974
Reformulated - RBOB .....	0	0	0	0	0	—	0	8,113	768
Conventional .....	6,216	0	0	1,069	1,570	1,527	0	46,897	2,206
CBOB .....	6,216	0	0	1,069	1,342	1,527	0	46,801	2,206
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	228	—	—	96	0
Renewable Fuels .....	0	0	0	7,837	5,282	429	3,817	312	0
Fuel Ethanol .....	0	0	0	7,487	5,021	429	3,363	312	0
Renewable Diesel Fuel <sup>2</sup> .....	0	0	0	350	261	—	454	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	73	0	0	1,237	408	258	0	3,793	317
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	73	0	0	1,237	408	258	0	3,793	317
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	73	0	0	1,237	408	258	0	3,793	317
Finished Aviation Gasoline .....	0	0	—	0	0	—	—	36	10
Kerosene-Type Jet Fuel .....	279	0	0	94	0	404	0	8,063	1,410
Kerosene .....	—	0	—	0	0	—	—	135	—
Distillate Fuel Oil .....	2,989	0	0	985	993	1,138	0	22,680	1,180
15 ppm sulfur and under .....	2,989	0	0	985	993	1,138	0	21,683	1,100
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	—	0	—	—	—	80
Greater than 500 ppm sulfur .....	—	0	—	0	0	—	—	997	—
Residual Fuel Oil .....	0	0	—	—	548	—	—	—	0
Petrochemical Feedstocks .....	—	—	—	—	—	—	—	—	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	0	0	—	—	0	—	—	—	29
Lubricants .....	0	0	—	0	0	—	—	630	177
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	0	0	647	264	0	0	0	0
Asphalt and Road Oil .....	0	0	0	284	187	0	207	274	74
Miscellaneous Products .....	0	—	—	31	—	—	—	0	0
<b>Total</b> .....	<b>17,440</b>	<b>115</b>	<b>0</b>	<b>22,815</b>	<b>86,375</b>	<b>17,163</b>	<b>8,364</b>	<b>94,745</b>	<b>28,917</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>23</b>	<b>0</b>	<b>23,300</b>	<b>271</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>5,349</b>	<b>0</b>	<b>17,766</b>	<b>2,644</b>	<b>2,248</b>	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	61	0	16,498	2,432	205	0	0	0
Ethane .....	0	—	0	3,611	680	—	0	0	0
Propane .....	0	0	0	6,685	777	109	0	0	0
Normal Butane .....	0	54	0	2,762	270	78	0	0	0
Isobutane .....	0	7	0	1,098	233	18	0	0	0
Natural Gasoline .....	0	—	0	2,342	472	—	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	—
Normal Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,611	0	116	0	1,000	0	0	0
Reformulated - RBOB .....	—	2,057	0	0	0	0	0	0	—
Conventional .....	0	1,554	0	116	0	1,000	0	0	0
CBOB .....	0	1,554	0	116	0	1,000	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Renewable Fuels .....	0	136	0	0	0	28	0	0	0
Fuel Ethanol .....	0	96	0	0	0	28	0	0	0
Renewable Diesel Fuel <sup>2</sup> .....	—	40	0	0	0	0	0	0	—
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	423	0	432	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	423	0	432	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	423	0	432	0	0	0
Finished Aviation Gasoline .....	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	0	230	0	15	0	10	0	0	0
Kerosene .....	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil .....	0	1,214	0	329	0	435	0	0	0
15 ppm sulfur and under .....	0	1,214	0	329	0	435	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	0	0	—	—	0	—
Greater than 500 ppm sulfur .....	—	—	0	—	0	—	0	0	—
Residual Fuel Oil .....	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks .....	—	—	—	—	—	—	—	—	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	—	0	0	0	—	0	0	—
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	0	0	0	195	94	0	0	0	0
Asphalt and Road Oil .....	0	97	0	189	118	138	0	0	0
Miscellaneous Products .....	—	—	0	0	—	—	0	—	—
<b>Total</b> .....	<b>0</b>	<b>5,373</b>	<b>0</b>	<b>41,066</b>	<b>2,915</b>	<b>2,248</b>	<b>0</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 2020**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil</b> .....	<b>215</b>	<b>40</b>	<b>211</b>	<b>49,817</b>	<b>6,515</b>	<b>127</b>	<b>15,023</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>16,299</b>	<b>0</b>	<b>9,328</b>	<b>27,889</b>	<b>10,219</b>	<b>70,246</b>	<b>12,309</b>	<b>0</b>	<b>5,055</b>
Natural Gas Liquids .....	6,904	0	6,468	25,483	6,892	1,329	7,073	0	-
Ethane .....	4,851	0	0	10,298	942	0	597	0	-
Propane .....	1,173	0	4,858	6,902	3,144	1,329	1,145	0	-
Normal Butane .....	157	0	1,610	4,245	1,302	0	169	0	-
Isobutane .....	373	0	0	963	469	0	388	0	-
Natural Gasoline .....	350	0	0	3,075	1,035	0	4,774	0	-
Motor Gasoline Blending Components .....	6,216	0	657	1,254	1,527	42,008	2,974	0	3,611
Reformulated - RBOB .....	0	0	0	0	-	8,113	768	-	2,057
Conventional .....	6,216	0	657	1,254	1,527	33,895	2,206	0	1,554
CBOB .....	6,216	0	657	1,254	1,527	33,799	2,206	0	1,554
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	-	0	0	0	-	96	-	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel <sup>1</sup> .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	73	0	1,214	214	258	1,812	295	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	73	0	1,214	214	258	1,812	295	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	73	0	1,214	214	258	1,812	295	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	181	0	94	0	404	5,720	875	0	230
Kerosene .....	-	0	0	0	-	135	-	-	-
Distillate Fuel Oil .....	2,925	0	864	938	1,138	19,242	1,092	0	1,214
15 ppm sulfur and under .....	2,925	0	864	938	1,138	18,245	1,012	0	1,214
Greater than 15 ppm to 500 ppm sulfur .....	0	0	-	0	-	-	80	-	-
Greater than 500 ppm sulfur .....	-	0	0	0	-	997	-	-	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	0	-	31	-	-	0	0	-	-
<b>Total</b> .....	<b>16,514</b>	<b>40</b>	<b>9,539</b>	<b>77,706</b>	<b>16,734</b>	<b>70,373</b>	<b>27,332</b>	<b>0</b>	<b>5,055</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil</b> .....	<b>0</b>	<b>23,300</b>	<b>271</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>0</b>	<b>17,381</b>	<b>2,432</b>	<b>1,877</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	16,498	2,432	—	0	0
Ethane .....	0	3,611	680	—	0	0
Propane .....	0	6,685	777	—	0	0
Normal Butane .....	0	2,762	270	—	0	0
Isobutane .....	0	1,098	233	—	0	0
Natural Gasoline .....	0	2,342	472	—	0	0
Motor Gasoline Blending Components .....	0	116	0	1,000	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	116	0	1,000	0	0
CBOB .....	0	116	0	1,000	0	0
GTAB .....	—	—	—	—	—	—
Other .....	0	—	0	—	0	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	423	0	432	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	423	0	432	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	423	0	432	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	15	0	10	0	0
Kerosene .....	0	—	0	—	0	—
Distillate Fuel Oil .....	0	329	0	435	0	0
15 ppm sulfur and under .....	0	329	0	435	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	—	0	—	0	—
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	0	0	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>40,681</b>	<b>2,703</b>	<b>1,877</b>	<b>0</b>	<b>0</b>

— = Not Applicable.

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, November 2020**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil</b> .....	<b>518</b>	<b>0</b>	<b>-</b>	<b>353</b>	<b>420</b>	<b>-</b>
<b>Petroleum Products</b> .....	<b>200</b>	<b>0</b>	<b>-</b>	<b>910</b>	<b>1,967</b>	<b>-</b>
Natural Gas Liquids .....	-	0	-	0	0	-
Ethane .....	-	-	-	-	-	-
Propane .....	-	0	-	0	0	-
Normal Butane .....	-	-	-	-	-	-
Isobutane .....	-	-	-	-	-	-
Natural Gasoline .....	-	-	-	-	-	-
Unfinished Oils .....	38	0	-	0	359	-
Motor Gasoline Blending Components .....	0	0	-	412	316	-
Reformulated - RBOB .....	-	-	-	-	-	-
Conventional .....	0	0	-	412	316	-
CBOB .....	0	0	-	412	88	-
GTAB .....	-	-	-	-	-	-
Other .....	0	0	-	-	228	-
Renewable Fuels .....	0	0	-	319	491	-
Fuel Ethanol .....	0	0	-	319	446	-
Renewable Diesel Fuel <sup>1</sup> .....	0	0	-	-	45	-
Other Renewable Fuels .....	-	-	-	-	-	-
Finished Motor Gasoline .....	0	0	-	23	194	-
Reformulated .....	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-
Conventional .....	0	0	-	23	194	-
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-
Conventional Other .....	0	0	-	23	194	-
Finished Aviation Gasoline .....	0	0	-	0	0	-
Kerosene-Type Jet Fuel .....	98	0	-	0	0	-
Kerosene .....	-	-	-	-	-	-
Distillate Fuel Oil .....	64	0	-	121	55	-
15 ppm sulfur and under .....	64	0	-	121	55	-
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-
Greater than 500 ppm sulfur .....	-	-	-	-	-	-
Residual Fuel Oil .....	0	0	-	-	548	-
Less than 0.31 percent sulfur .....	0	0	-	-	86	-
0.31 to 1.00 percent sulfur .....	0	0	-	-	274	-
Greater than 1.00 percent sulfur .....	0	0	-	-	188	-
Petrochemical Feedstocks .....	-	-	-	-	-	-
Naphtha for Petrochemical Feedstock Use .....	-	-	-	-	-	-
Other Oils for Petrochemical Feedstock Use .....	-	-	-	-	-	-
Special Naphthas .....	0	0	-	-	0	-
Lubricants .....	0	0	-	0	0	-
Waxes .....	-	-	-	-	-	-
Marketable Petroleum Coke .....	-	-	-	-	-	-
Asphalt and Road Oil .....	0	0	-	35	4	-
Miscellaneous Products .....	-	-	-	-	-	-
<b>Total</b> .....	<b>718</b>	<b>0</b>	<b>-</b>	<b>1,263</b>	<b>2,387</b>	<b>-</b>

See footnotes at end of table.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil</b> .....	<b>2,073</b>	—	<b>2,073</b>	—	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products</b> .....	<b>21,960</b>	<b>100</b>	<b>416</b>	<b>21,444</b>	<b>993</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	23	—	—	23	—	—	0	—	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	23	—	—	23	—	—	0	—	0
Normal Butane .....	—	—	—	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	0	—	—	—	78	—	0	0	0
Motor Gasoline Blending Components .....	13,002	100	—	12,902	0	—	0	0	0
Reformulated - RBOB .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,002	100	—	12,902	0	—	0	0	0
CBOB .....	13,002	100	—	12,902	0	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	0	—	—	0	0
Renewable Fuels .....	312	—	—	312	0	—	0	0	0
Fuel Ethanol .....	312	—	—	312	0	—	0	0	0
Renewable Diesel Fuel <sup>1</sup> .....	—	—	—	—	0	—	—	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	1,981	—	—	1,981	22	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	1,981	—	—	1,981	22	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	1,981	—	—	1,981	22	—	0	0	0
Finished Aviation Gasoline .....	36	—	—	36	10	—	0	0	0
Kerosene-Type Jet Fuel .....	2,343	—	—	2,343	535	—	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	3,438	—	—	3,438	88	—	0	0	0
15 ppm sulfur and under .....	3,438	—	—	3,438	88	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Residual Fuel Oil .....	—	—	—	—	0	—	—	0	0
Less than 0.31 percent sulfur .....	—	—	—	—	0	—	—	0	0
0.31 to 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Greater than 1.00 percent sulfur .....	—	—	—	—	0	—	—	0	0
Petrochemical Feedstocks .....	—	—	—	—	—	—	—	—	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	29	—	—	0	0
Lubricants .....	630	—	416	214	177	—	0	0	0
Waxes .....	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	195	—	—	195	54	—	0	0	0
Miscellaneous Products .....	—	—	—	—	—	—	—	—	—
<b>Total</b> .....	<b>24,033</b>	<b>100</b>	<b>2,489</b>	<b>21,444</b>	<b>993</b>	—	<b>0</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, November 2020**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	–	0	1,525	0	–	3,449
Propane .....	72	11	0	0	1,023	521	0	259
Propylene .....	0	0	–	–	387	383	–	–
Normal Butane .....	88	20	0	0	510	69	0	462
Isobutane .....	48	44	0	0	154	71	0	171
Fuel Ethanol .....	0	0	0	0	7,168	4,575	429	3,363
Biodiesel .....	0	0	–	0	350	216	–	454
Marketable Petroleum Coke .....	0	0	0	0	647	264	0	0
Asphalt and Road Oil .....	0	0	0	0	249	183	0	207

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	–	23	0	0	0	0
Propane .....	173	342	0	0	0	0	0	109
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	70	113	0	54	0	0	0	78
Isobutane .....	17	117	0	7	0	0	0	18
Fuel Ethanol .....	0	0	0	96	0	0	0	28
Biodiesel .....	0	0	–	40	0	0	0	0
Marketable Petroleum Coke .....	0	0	0	0	0	195	94	0
Asphalt and Road Oil .....	79	20	0	97	0	189	118	138

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	–
Propane .....	0	0	0	0
Propylene .....	0	0	0	–
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	25	0	–
Marketable Petroleum Coke .....	0	25	0	0
Asphalt and Road Oil .....	0	0	0	0

– = No Data Reported.  
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, November 2020**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	215	518	0	733
3 .....	40	0	0	40
4 .....	0	—	—	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	211	353	1,525	2,089
3 .....	49,817	420	0	50,237
4 .....	6,515	—	—	6,515
5 .....	—	—	3,449	3,449
<b>From 3 to</b>				
1 .....	127	2,073	0	2,200
2 .....	15,023	0	0	15,023
4 .....	0	—	—	0
5 .....	—	—	23	23
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	23,300	0	0	23,300
3 .....	271	0	0	271
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	—	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, November 2020**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>4,289</b>	<b>773</b>	<b>3,516</b>	<b>39,056</b>	<b>62,290</b>	<b>-23,234</b>	<b>50,548</b>	<b>17,246</b>	<b>33,302</b>
<b>Petroleum Products</b>	<b>113,271</b>	<b>16,782</b>	<b>96,489</b>	<b>48,417</b>	<b>72,428</b>	<b>-24,011</b>	<b>38,857</b>	<b>111,788</b>	<b>-72,931</b>
Natural Gas Liquids	9,767	7,187	2,580	31,255	42,083	-10,828	28,651	9,318	19,333
Ethane	0	4,851	-4,851	9,059	11,240	-2,181	10,978	597	10,381
Propane	7,406	1,256	6,150	9,417	16,707	-7,290	8,211	3,012	5,199
Normal Butane	2,190	265	1,925	3,289	8,198	-4,909	4,604	406	4,198
Isobutane	171	465	-294	2,024	1,828	196	1,311	529	782
Natural Gasoline	0	350	-350	7,466	4,110	3,356	3,547	4,774	-1,227
Refinery Olefins	387	0	387	0	770	-770	383	0	383
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	387	0	387	0	770	-770	383	0	383
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	38	-38	116	359	-243	359	78	281
Motor Gasoline Blending Components	56,079	6,216	49,863	9,306	4,166	5,140	1,570	61,595	-60,025
Reformulated - RBOB	8,113	0	8,113	768	0	768	0	10,938	-10,938
Conventional	47,966	6,216	41,750	8,538	4,166	4,372	1,570	50,657	-49,087
CBOB	47,870	6,216	41,654	8,538	3,938	4,600	1,342	50,561	-49,219
GTAB	0	0	-	-	-	-	-	-	-
Other	96	0	96	0	228	-228	228	96	132
Renewable Fuels	8,149	0	8,149	25	17,365	-17,340	5,282	448	4,834
Fuel Ethanol	7,799	0	7,799	0	16,300	-16,300	5,021	408	4,613
Renewable Diesel Fuel <sup>2</sup>	350	0	350	25	1,065	-1,039	261	40	221
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	5,030	73	4,957	813	1,903	-1,090	408	4,110	-3,702
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	5,030	73	4,957	813	1,903	-1,090	408	4,110	-3,702
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	5,030	73	4,957	813	1,903	-1,090	408	4,110	-3,702
Finished Aviation Gasoline	36	0	36	10	0	10	0	46	-46
Kerosene-Type Jet Fuel	8,157	279	7,878	1,704	498	1,206	0	9,703	-9,703
Kerosene	135	0	135	0	0	-	0	135	-135
Distillate Fuel Oil	23,665	2,989	20,676	4,498	3,116	1,382	993	25,074	-24,081
15 ppm sulfur and under	22,668	2,989	19,679	4,418	3,116	1,302	993	23,997	-23,004
Greater than 15 ppm to 500 ppm sulfur	0	0	-	80	0	80	0	80	-80
Greater than 500 ppm sulfur	997	0	997	0	0	-	0	997	-997
Residual Fuel Oil	0	0	-	0	548	-548	548	0	548
Petrochemical Feedstocks	0	0	-	0	0	-	0	0	-
Naphtha for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Other Oils for Petrochemical Feedstock Use	0	0	-	0	0	-	0	0	-
Special Naphthas	0	0	-	29	0	29	0	29	-29
Lubricants	630	0	630	177	0	177	0	807	-807
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	647	0	647	220	911	-691	358	0	358
Asphalt and Road Oil	558	0	558	263	678	-414	305	445	-140
Miscellaneous Products	31	0	31	0	31	-31	0	0	-
<b>Total</b>	<b>117,561</b>	<b>17,555</b>	<b>100,006</b>	<b>87,473</b>	<b>134,718</b>	<b>-47,245</b>	<b>89,405</b>	<b>129,035</b>	<b>-39,629</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail <sup>1</sup> Between PAD Districts, November 2020**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>6,515</b>	<b>23,571</b>	<b>-17,056</b>	<b>3,472</b>	<b>0</b>	<b>3,472</b>
<b>Petroleum Products</b> .....	<b>10,648</b>	<b>22,657</b>	<b>-12,010</b>	<b>12,512</b>	<b>50</b>	<b>12,462</b>
Natural Gas Liquids .....	6,892	19,135	-12,243	1,158	0	1,158
Ethane .....	942	4,291	-3,349	0	0	—
Propane .....	3,144	7,571	-4,427	368	0	368
Normal Butane .....	1,302	3,110	-1,808	594	0	594
Isobutane .....	469	1,349	-880	196	0	196
Natural Gasoline .....	1,035	2,814	-1,779	0	0	—
Refinery Olefins .....	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—
Propylene .....	0	0	—	0	0	—
Normal Butylene .....	0	0	—	0	0	—
Isobutylene .....	0	0	—	0	0	—
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,527	1,116	411	4,611	0	4,611
Reformulated - RBOB .....	—	—	—	2,057	0	2,057
Conventional .....	1,527	1,116	411	2,554	0	2,554
CBOB .....	1,527	1,116	411	2,554	0	2,554
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	0	—
Renewable Fuels .....	429	28	401	3,980	25	3,955
Fuel Ethanol .....	429	28	401	3,487	0	3,487
Renewable Diesel Fuel <sup>2</sup> .....	0	0	—	494	25	468
Other Renewable Fuels .....	0	0	—	0	0	—
Finished Motor Gasoline .....	258	855	-597	432	0	432
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	258	855	-597	432	0	432
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	258	855	-597	432	0	432
Finished Aviation Gasoline .....	0	0	—	0	0	—
Kerosene-Type Jet Fuel .....	404	25	379	240	0	240
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	1,138	764	374	1,649	0	1,649
15 ppm sulfur and under .....	1,138	764	374	1,649	0	1,649
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	0	—	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	0	—
Waxes .....	0	0	—	0	0	—
Marketable Petroleum Coke .....	0	289	-289	0	25	-25
Asphalt and Road Oil .....	0	446	-446	442	0	442
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>17,163</b>	<b>46,228</b>	<b>-29,066</b>	<b>15,984</b>	<b>50</b>	<b>15,934</b>

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

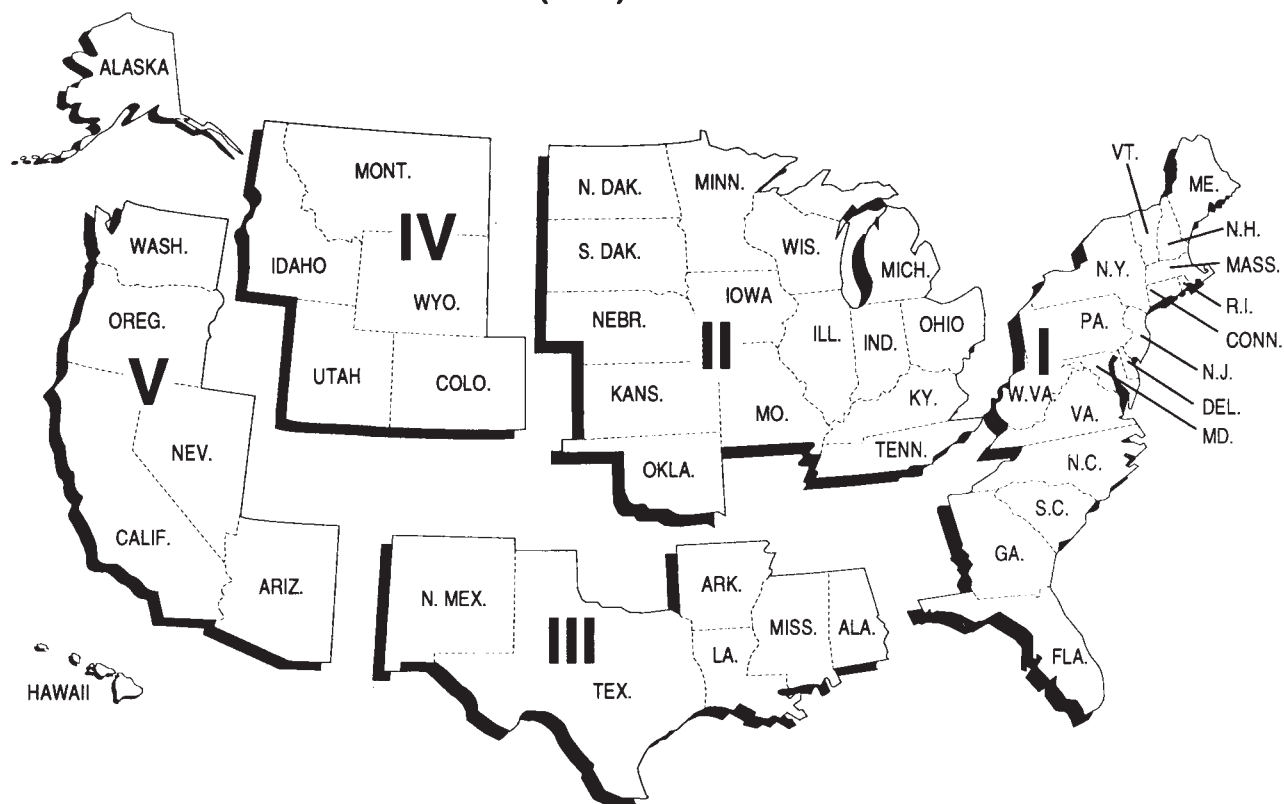
### PAD District IV

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

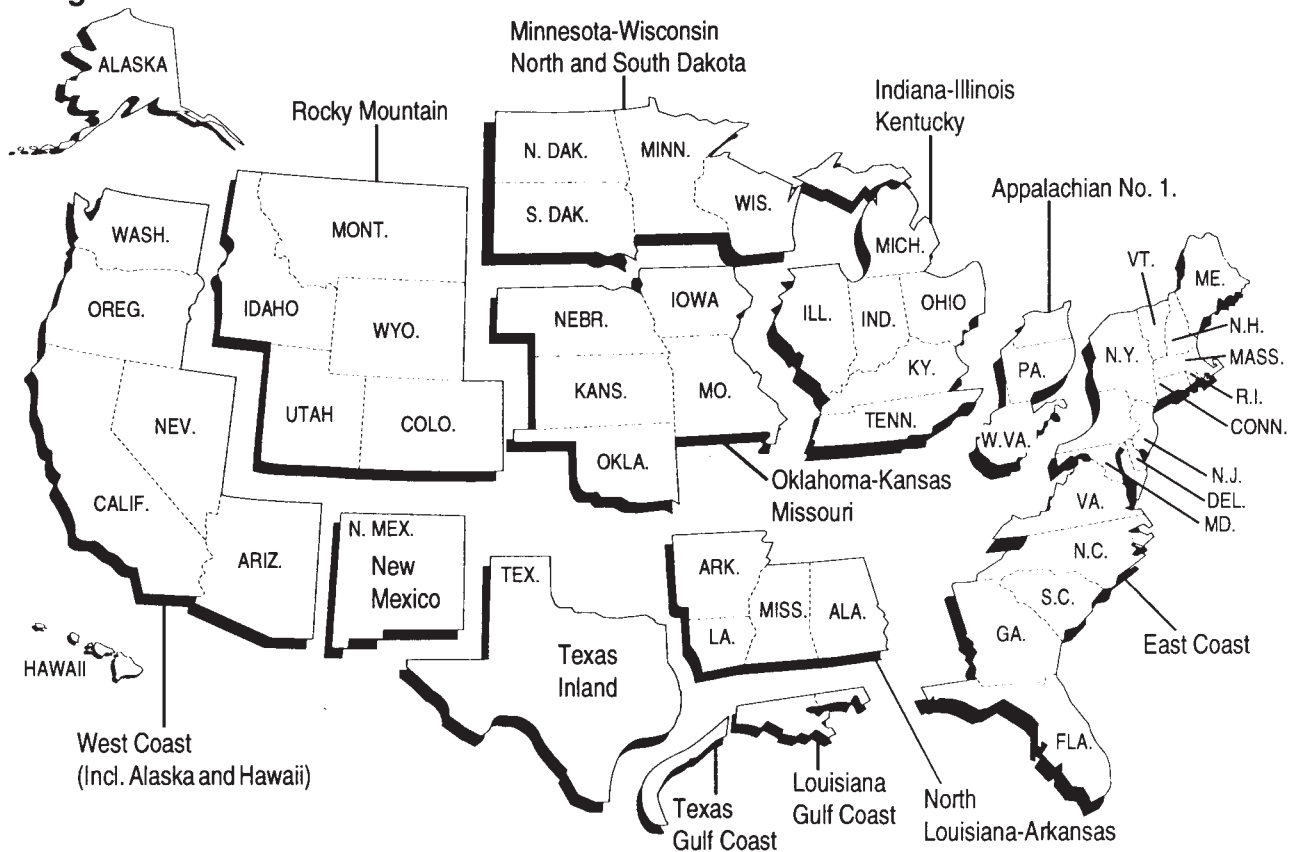
### PAD District V

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts





## PSM Explanatory Notes

### Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

#### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually

consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

#### C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

##### (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes fuel ethanol, Ethyl Tertiary Butyl Ether (ETBE), Methyl Tertiary Butyl Ether (MTBE), other fuel oxygenates, and biodiesel. This supply category also includes natural gasoline, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants and blended at fuel ethanol plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month. Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery

and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. EIA calculated adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

## (2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) processed at refineries or

blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, EIA assumed product supplied for crude oil equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at

refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbb1\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbb1_m_cur.htm)

[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)

[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbb1\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbb1_m.htm)

## 2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey,"
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."

13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Oxygenate Report"
16. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: <https://www.eia.gov/survey/>

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

The Form EIA-814, "Monthly Imports Report," collects data on imports of crude oil and petroleum products (1) into the 50



States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

The Form EIA-815, "Monthly Bulk Terminal Report," collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

The Form EIA-816, "Monthly Natural Gas Liquids Report," collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, "Monthly Tanker and Barge Movement Report," collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, "Monthly Oxygenate Report" collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of "Who Must Submit" participate in the survey.

The activities for frames maintenance are conducted on an

ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M "Monthly Biodiesel Production Survey" include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, "Monthly Refinery Report" include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, "Monthly Product Pipeline Report" include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, "Monthly Crude Oil Report" include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, "Monthly Imports Report" include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, "Monthly Bulk Terminal Report" include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

### (3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported

data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

### (6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

### (7.) Dissemination

The PSM data are normally released within 60 days of the close of the reference month. The PSM is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the PSM data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of

the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

### (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

### (3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no

STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane

and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference



to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

◦ ◦ Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional

motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

◦ Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

◦ ◦ Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of

renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15

ppm sulfur and under) through distillate fuel oil adjustments.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released

#### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005

#### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD

District movements.

#### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

#### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

### 3. Quality

#### A. General Discussion

##### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

##### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

##### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA’s most accurate measure of petroleum supply activity.

##### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

### B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### 4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810

through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data

aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	86
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority



# Definitions of Petroleum Products and Other Terms

(Revised August 2020)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in



atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g., fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-2019), Equatorial Guinea (2017-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-2018), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and



Venezuela (1960-present).

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See **Petrochemical Feedstocks**.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See **Motor Gasoline (Finished)**.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0

percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including

interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations.

It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations

greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the

District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes

all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.